# 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** 

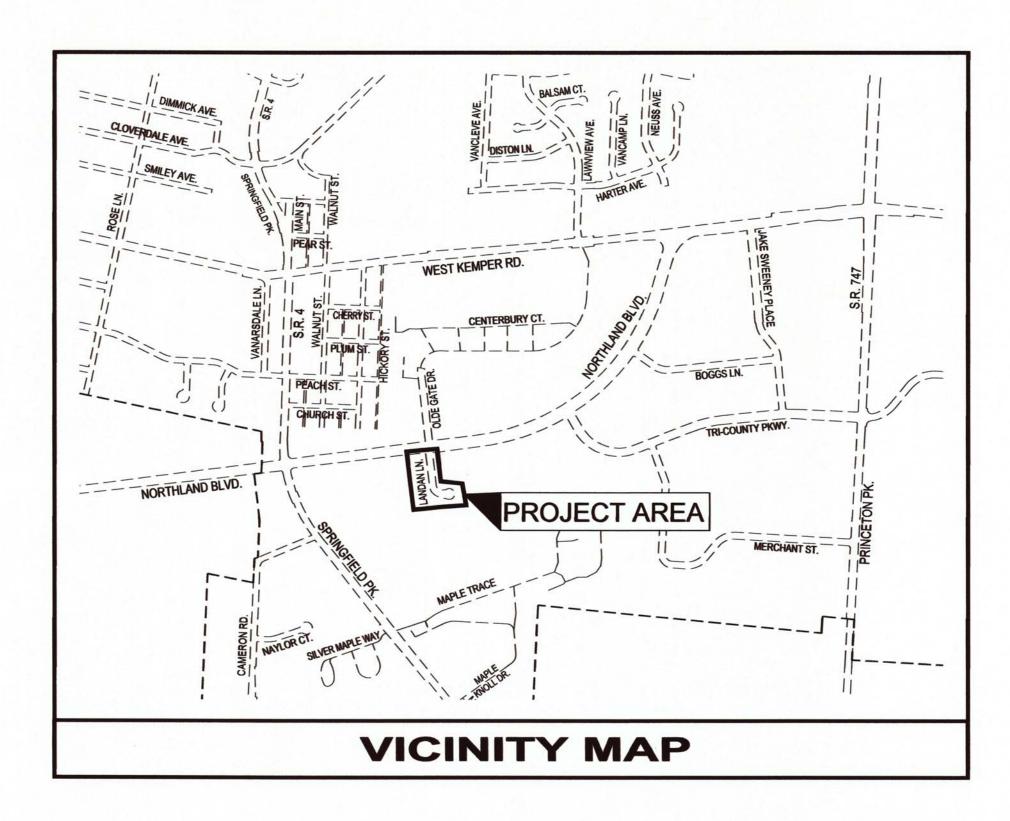
LAWRENCE HAWKINS III

**HOLY McQUILLAN-EMERSON** 

JOE RAMIREZ

**MEGHAN SULLIVAN-WISECUP** 

**TOM VANOVER** 



# **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
DDIVEWAY DDOEII ES	0

# **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**

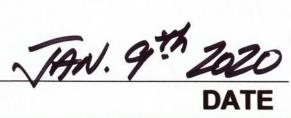


2 WORKING DAYS
BEFORE YOU DIG

CALL 1-800-362-2764 (TOLL FREE)
NON-MEMBERS MUST BE CALLED DIRECTLY

**APPROVED FOR CONSTRUCTION BY:** 

JOHN J. JONES, CITY ADMINISTRATOR









Dec 20, 2019
DATE

PROJECT NO:

180737

DRAWING NAME

TITLE

SHEET OF

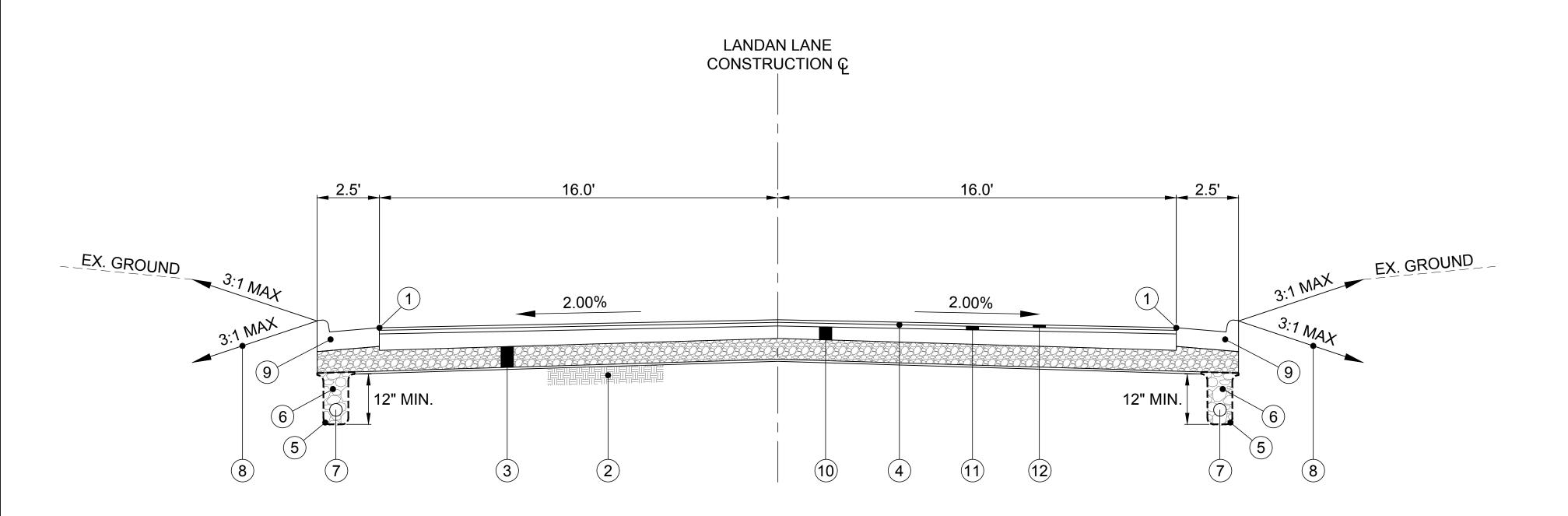
1 9

DATE: 11/16/2018

DESIGNED BY: EHIM

CHECKED BY: PMAD

HAMILTON COUNTY, OHIC



TYPICAL SECTION LANDAN LANE

BEGIN WORK TO STA 12+30

## LEGEND

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



				٠		•	•
		<b>DATE</b> : 11/16/2018	DESIGNED BY: FHIM		DRAWN BY: EHIM		CHECKED BY: PMAD
Ц Z	ļ	Ш ;	<u> </u>		(	<u>z</u>	
			HAMILTON COUNTY, OHIO	CT		YPICAL SECTION	
		PRC	3 <b>0</b> ,	73	NO:		

TYP

# **GENERAL NOTES**

IN GENERAL, UNLESS SPECIFICALLY SET FORTH HEREIN, THE WORK AND MATERIALS SHALL CONFORM TO THE APPLICABLE DIVISIONS AND PARAGRAPHS OF THE MOST RECENT EDITION OF THE:

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION AND MATERIAL
SPECIFICATIONS

#### MATERIALS AND WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE CONTEMPLATED. THE CONTRACTOR SHALL FURNISH, IF SO REQUIRED, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP.

ALL ITEMS OF EQUIPMENT AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER IN WRITING AND SHALL BE EQUAL OR SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRES ENGINEERING REVISIONS, THE TOTAL EXPENSE OF SAID REVISIONS SHALL BE PAID BY THE CONTRACTOR.

ANY ITEMS OF LABOR AND MATERIALS REQUIRED BUT NOT SHOWN AS A SEPARATE PAY ITEM IN THE PROPOSAL SHALL BE FURNISHED AND INSTALLED AS INCIDENTAL TO THE CONTRACT, EXCEPT AS NOTED IN THE PLANS AND SPECIFICATIONS.

#### RESPONSIBILITY

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FEATURE, (I.E. EXISTING INLETS, CONDUITS, ETC.) WHICH IS NOT MARKED FOR REPLACEMENT OR REMOVAL. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE OPERATIONS OF THE CONTRACTOR, HE SHALL REPLACE THE DAMAGED PORTION AT HIS EXPENSE.

THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS.

IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.

#### **TESTING**

COMPACTION TESTING OF GRANULAR BACKFILL, EMBANKMENT AND SUBGRADE SHALL BE DONE IN LOCATIONS SPECIFIED BY THE ENGINEER WITH ONE COPY OF THE TEST RESULTS SENT DIRECTLY TO THE ENGINEER. TESTING SHALL BE DONE IN THE PRESENCE OF THE ENGINEER. COST FOR THIS ITEM SHALL BE INCIDENTAL TO THE CONTRACT.

#### ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

THE ROUNDED CORNERS SHOWN ON TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS, EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

## **REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF SPRINGDALE, THE CONTRACTOR WITH THE CITY ENGINEER SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL CLEAN ALL EXISTING CONDUITS IF DETERMINED NECESSARY BY THE ENGINEER.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

## SEDIMENT AND EROSION CONTROL

THE CONTRACTOR SHALL TAKE EXTREME CARE TO PREVENT UNNECESSARY EROSION, WATER POLLUTION AND SILTATION AT ALL POINTS OF THE PROJECT. TEMPORARY SEEDING AND MULCHING, FILTER FABRIC FENCE, SLOPE DRAINS, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE ENGINEER.

DANDY BAGS, SILT FENCE, ETC., SHALL BE USED TO MINIMIZE EROSION AND SEDIMENT FROM LEAVING THE CONSTRUCTION SITES. ALL SHALL BE INSTALLED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF NATURAL RESOURCES RAINWATER AND LAND DEVELOPMENT MANUAL, LATEST EDITION. THE COST FOR ALL ITEMS NECESSARY TO COMPLETE THE ABOVE-NOTED WORK SHALL BE INCIDENTAL TO THE CONTRACT.

## BEDDING AND BACKFILL

ALL BEDDING AND BACKFILL SHALL BE IN STRICT ACCORDANCE WITH ODOT ITEM 611 FOR THE TYPE PIPE

## PROTECTION OF MONUMENTATION

CONTRACTOR RESPONSIBLE FOR PROTECTION OF ANY SURVEY MONUMENTS ENCOUNTERED IN FIELD. COST FOR PROTECTION, RELOCATION AND COORDINATION WITH COUNTY TO BE MADE INCIDENTAL TO OVERALL CONTRACT PRICE.

## **CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

## CLEARING AND GRUBBING, AS PER PLAN

IN ADDITIONAL TO THE REQUIREMENTS OF ODOT ITEM 201, THIS WORK SHALL CONSIST OF CLEARING, GRUBBING, REMOVAL OF TREES AND STUMPS AND ALL VEGETATION AND DEBRIS WITHIN THE LIMITS OF THE RIGHT-OF-WAY, EASEMENT AREAS OR OTHERWISE NOTED ON PLANS. THE WORK SHALL ALSO INCLUDE REMOVAL OF ANY POSTS, ROCKS, LANDSCAPING AND ANY OTHER OBJECTS WITHIN THE CONSTRUCTION LIMITS THE REMOVAL AND DISPOSAL OF WHICH IS DEEMED NECESSARY TO ALLOW FOR THE PROPOSED IMPROVEMENTS TO TAKE PLACE. THIS WORK SHALL BE INCIDENTAL TO THE OVERALL CONTRACT.

#### TIME RESTRICTIONS

WORK THAT WILL IMPACT THE INTERSECTING ROADWAYS (NORTHLAND BOULEVARD), SHALL NOT TAKE PLACE BETWEEN THE FOLLOWING HOURS:

MONDAY THRU FRIDAY 6:00 AM TO 8:00 AM 4:00 PM TO 6:00 PM

SATURDAY 10:00 AM TO 11:00 PM SUNDAY 10:00 AM TO 7:00 PM ALL LEGAL HOLIDAYS ALL DAY

#### DOWN TIME DUE TO FIELD CONFLICTS

DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING RESPONSE FROM THE OWNER AND/ OR ENGINEER, OR RESOLUTION ON AN ISSUE. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK. COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING ANY "DOWNTIME" SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.

#### PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND THE PUBLIC WORKS OFFICE WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPE ITEMS WILL BE MADE.

CONFINE ALL ACTIVITIES, EQUIPMENT, STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS OR WITHIN THE ABOVE-NOTED LANDSCAPE AREAS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE CITY, AT THE CONTRACTOR'S COST.

#### **EROSION AND DUST CONTROL**

WHEN CALLED ON THE PLANS, RIPRAP SHALL BE PLACED IMMEDIATELY AFTER THE CONSTRUCTION OF INLETS AND HEADWALLS.

DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT AND MATERIAL REQUIRED TO PERFORM THIS ITEM SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

#### ITEM 203 EXCAVATION, AS PER PLAN

IN ADDITION TO THE REQUIREMENT OF ODOT 203, THE FOLLOWING SHALL APPLY:

THIS WORK SHALL CONSIST OF REMOVING AND DISPOSING OF ALL MATERIAL BY EXCAVATING THE EXISTING PAVEMENT (ASPHALT PAVEMENT AND GRANULAR BASE, AS WELL AS CONCRETE PAVEMENT) IN ADDITION TO SOIL BELOW THE EXISTING PAVEMENT COMPOSITION TO A DEPTH COMMENSURATE WITH THE PROPOSED PAVEMENT COMPOSITION (19" TOTAL DEPTH). ALL EQUIPMENT, LABOR, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 203, EXCAVATION, AS PER PLAN (CY).

#### (INCIDENTAL) EMBANKMENT & EXCAVATION

IN ADDITION TO THE REQUIREMENT OF ODOT 203, THE FOLLOWING SHALL APPLY:

ALL EMBANKEMENT & EXCAVATION OUTSIDE OF THE PROPOSED CURB SHALL BE INCIDENTAL TO EITHER ITEM 609 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN, OR ITEM 452 CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT. TOPSOIL WILL BE PAID UNDER A SEPARATE BID ITEM.

## SAW CUTTING EXISTING PAVEMENT

ALL EXISTING PAVEMENT SHALL BE SAW CUT BEFORE REMOVAL TO OBTAIN A UNIFORM EDGE. THE COST OF SAW CUTTING AND PAVEMENT REMOVAL SHALL BE INCIDENTAL TO ITEM 203, EXCAVATION, AS PER PLAN.

## ITEM 304 AGGREGATE BASE (10"), CRUSHED

## CARBONATE STONE (CCS), AS PER PLAN

UNDER 703.17, AGGREGATE MATERIALS FOR 304, ONLY CRUSHED CARBONATE STONE (CCS) / CRUSHED LIMESTONE, WILL BE PERMITTED. THE CRUSHED CARBONATE STONE MATERIAL MUST MEET THE GRADATION AND PHYSICAL REQUIREMENTS IN 703.17. ALL APPLICABLE SECTIONS OF 703.17 SHALL BE IN EFFECT.

## ITEM 304 AGGREGATE BASE, AS PER PLAN

A CONTINGENCY AMOUNT OF ITEM 304 AGGREGATE BASE COURSE MATERIAL FOR REPAIR AND REPLACEMENT OF UNSOUND SUBGRADE MATERIAL AS DIRECTED BY THE ENGINEER IS INCLUDE UNDER THIS ITEM. THE COST OF ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO EXCAVATE AND DISPOSE OF THE UNSUITABLE SUBGRADE MATERIAL AND TO PLACE AND COMPACT THE AGGREGATE AS REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 304, AGGREGATE BASE, AS PER PLAN.

## ITEM 448, ASPHALT DRIVEWAY REMOVAL AND

## REPLACEMENT, AS PER PLAN

IN ADDITION TO THE SPECIFICATIONS PROVIDED IN THE BID BOOK, DETAILS PROVIDED ON THE DRIVEWAY SHEETS. THE FOLLOW SHALL APPLY:

1. THE ABOVE-NOTED BID ITEMS ARE ALL-INCLUSIVE COSTS FOR THE COMPLETE REMOVAL AND CONSTRUCTION OF THE DRIVEWAY SECTIONS / PARKING LOT AREA AS NOTED IN THE PLANS.

#### SUBGRADE COMPACTION REQUIREMENTS

- A. COMPACT THE SUBGRADE IN ACCORDANCE WITH ITEM 204.03.
   B. IN LOCATIONS DETERMINED BY ODOT SPECIFICATIONS, IN-PLACE DENSITY AND MOISTURE CONTENT
- SHALL BE DETERMINED BY USING NUCLEAR GAUGE.

  C. FOR AREAS WHERE THE SUBGRADE APPEARS TO BE STABLE, PROOF ROLL AFTER THE TOP 12" OF
- THE SUBGRADE MEETS COMPACTION REQUIREMENTS AND AFTER THE SUBGRADE HAS BEEN BROUGHT TO THE APPROXIMATE SHAPE REQUIRED BY PLANS.
- D. AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE ENGINEER: ITEM 204 PROOF ROLLING 4 HOURS
- E. THE ENGINEER / TESTING FIRM SHALL EVALUATE THE EXISTING SUBGRADE AND DETERMINE ANY AREAS OF THE SUBGRADE REQUIRING SUBGRADE STABILIZATION METHODS AS INDICATED IN THE
- F. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MEASURES TO EITHER PRESERVE OR RESTORE THE SUBGRADE TO A "COMPACTABLE" STATE, REGARDING, BUT NOT LIMITED TO MOISTURE CONTENT.
- G. TO PREPARE THE SOIL SUBGRADE FOR PAVING, THE UPPER 8 INCHES OF THE SUBGRADE SOIL SHOULD BE MANIPULATED AS NEEDED TO BRING THE MOISTURE CONTENT TO WITHIN 2% OF OPTIMUM. THE SUBGRADE SHOULD THEN BE RECOMPACTED TO THE SPECIFIED DEGREE. THIS RECONDITIONING AND COMPACTION SHOULD BE PERFORMED IMMEDIATELY PRIOR TO THE PLACEMENT OF THE ASPHALT AND/OR GRAVEL BASE COURSES TO REDUCE THE POTENTIAL OF SUBGRADE SOFTENING DUE TO EXPOSURE TO THE WEATHER. ODOT CONSTRUCTION AND MATERIAL SPECIFICATION ITEMS 203 AND 204 WILL GOVERN THIS PROJECT.
- H. THE SOIL SUBGRADE SHOULD BE CROWNED TOWARD EDGE DRAINS TO PROMOTE RAPID DRAINAGE.

## SUBGRADE STABILIZATION

IN AREAS WHERE THE PROJECT ENGINEER AND THE DESIGNATED GEOTECHNICAL ENGINEER INDICATE THAT SUBGRADE STABILIZATION IS NEEDED THE FOLLOWING ALTERNATIVES MAY BE UTILIZED (AS A CONTINGENCY ITEM TO BE USED AT THE DIRECTION OF THE CITY):

- A. ITEM 253 SLAG STABILIZATION, INCLUDING REMOVAL OF UNCLASSIFIED MATERIAL AND CHOKE WITH 3" 304 25 CUBIC YARDS
- B. ITEM 304 AGGREGATE BASE, AS PER PLAN 85 CUBIC YARDS

PLACEMENT OF GRANULAR MATERIAL (703.16) SHALL BE CONSISTENT WITH THE REQUIREMENTS OF ODOT 304. THE ABOVE-NOTED ITEMS WILL INCLUDE THE REMOVAL OF UNSUITABLE MATERIAL, COMPACTION, AND ALL OTHER NECESSARY ITEMS REQUIRED TO PLACE AND COMPACT THE STABILIZATION MATERIAL.

ITEM 609, COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN IN ADDITION TO THE REQUIREMENTS OF ODOT 609, ALL EMBANKMENT & EXCAVATION OUTSIDE OF THE

# ITEM 611 - CATCH BASIN, NO. 3, AS PER PLAN

PROPOSED CURB SHALL BE INCIDENTAL TO THIS ITEM (OR ITEM 452).

ITEM 611 - CATCH BASIN, NO. 6, AS PER PLAN
IN ADDITION TO THE REQUIREMENTS OF ODOT 611, THE FOLLOWING SHALL APPLY:

IN LOCATIONS THAT NEW INLETS OR MANHOLES ARE BEING ADDED TO EXISTING STORM SEWERS, THE COST FOR ANY REMOVAL, NEW PIPE, TYING THE NEW STRUCTURE INTO THE EXISTING PIPE, AND ANY INCIDENTALS REQUIRED FOR THIS WORK SHALL BE INCIDENTAL TO THE APPROPRIATE 611 ITEM. THE STORM SEWER PIPE MATERIAL SHALL BE PER ODOT 706.02 (REINFORCED CONCRETE). IN ADDITION, THE REQUIREMENTS OF 611.14 WILL NOT APPLY TO THIS PROJECT. ALL NEW CATCH BASINS SHALL HAVE TYPE "L" GRATES INSTALLED.

# ITEM 611 - INLET RECONSTRUCTED TO GRADE, ODOT CATCH BASIN NO. 2-5. AS PER PLAN

THE CONTRACTOR SHALL REMOVE AND CLEAN THE EXISTING CASTINGS, REMOVE THE EXISTING CONCRETE SLAB TOPS, AND REMOVE THE EXISTING WALLS DOWN TO ANY POINT OF CRACKING OR WALL FAILURE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL THEN REBUILD THE WALLS USING BRICK AND MORTAR, SET CASTINGS, AND/OR CONCRETE SLAB TOPS AT THE PROPER FINAL GRADE. CASTINGS AND CONCRETE SLAB TOPS WILL BE INSPECTED BY THE ENGINEER TO DETERMINE THEIR SUITABILITY FOR RE-USE. AS DIRECTED BY THE ENGINEER, BROKEN OR DETERIORATED CASTINGS AND/OR CONCRETE SLAB TOPS SHALL BE REPLACED DURING THE CATCH BASIN RECONSTRUCTION WORK.

ALL CATCH BASINS DESIGNATED AS CB-2-5 ARE SIMILAR BUT NOT NECESSARILY EXACTLY EQUAL TO CURRENT ODOT STANDARDS. CONTRACTOR TO VERIFY PRIOR TO ORDERING ANY PARTS.

EXISTING FRAMES, GRATES AND HOODS ARE TO BE REUSED ON THE REBUILT CATCH BASINS UNLESS NOTED OTHERWISE, OR AS DIRECTED BY THE ENGINEER.

ANY CONDUIT NECESSARY FOR THE RELOCATION AND CONSTRUCTION OF INLETS / CATCH BASINS SHALL BE INCIDENTAL TO THE PERTINENT ITEM.

PAYMENT FOR "ITEM 611, CATCH BASIN RECONSTRUCTED TO GRADE," "INLET RECONSTRUCTED TO GRADE" SHALL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE INLET / CATCH BASIN TOPS, REBUILD WALLS, AND RESET CASTINGS AND/OR CONCRETE SLAB TOPS ON A PER-UNIT BASIS, INCLUDING, BUT NOT LIMITED TO PAVEMENT REPAIR, CURB REPLACEMENT, ETC.

PAYMENT FOR PROVIDING NEW CASTINGS SHALL BE ON A PER-UNIT BASIS UNDER "ITEM 611, FRAME AND GRATE."

PAYMENT FOR PROVIDING NEW CONCRETE SLAB TOPS SHALL BE ON A PER-UNIT BASIS UNDER "ITEM 611, NEW CONCRETE SLAB TOP."

#### UTILITIES

UTILITIES DATA IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANIES AND HAS NOT BEEN VERIFIED BY THE ENGINEER. THE ENGINEER AND THE OWNER ARE NOT RESPONSIBLE OR LIABLE FOR DATA SUPPLIED BY OTHERS.

UTILITIES NOT UNDERGROUND, AND PRIVATE SEPTIC SYSTEMS IN SINGLE OR DOUBLE FAMILY DWELLINGS UTILIZED FOR ONLY THAT DWELLING AND NOT CONNECTED TO ANY OTHER SYSTEM ARE NOT INCLUDED ON THE PLAN.

WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT, THE OWNER SHALL NOTIFY ALL UTILITIES OF THE NAME, ADDRESS AND PHONE NUMBER OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE AND NON-MEMBER OWNERS OF THE STARTING DATE AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK. THE UTILITY SHALL MARK, STAKE OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND FACILITIES WITHIN 48 HOURS OF RECEIVING THE CONTRACTORS NOTICE OF A STARTING DATE. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNERS OF THE UNDERGROUND FACILITIES ANY BREAK OR LEAK IN THE FACILITIES, OR ANY DENT, GOUGE, GROOVE OR OTHER DAMAGE. THE CONTRACTOR SHALL NOTIFY NEARBY OCCUPANTS OF ANY EMERGENCY SITUATION THAT MAY ARISE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY ACTIVITIES AND SCHEDULES.

#### **UTILITY OWNERSHIP**

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT

GAS

DUKE ENERGY

139 EAST FOURTH STREET

ROOM 460-A

CINCINNATI, OHIO 45202

(513) 287-2733

ELECTRIC DUKE ENERGY
139 EAST FOURTH STREET
ROOM 467-A
CINCINNATI, OHIO 45202
(513) 287-3131

WATER GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVENUE
CINCINNATI, OHIO 45232
(513) 591-7852

TELEPHONE CINCINNATI BELL TELEPHONE COMPANY
221 EAST FOURTH STREET, BLDG. 121-900
CINCINNATI, OHIO 45201
(513) 565-7043

SAN. SEWER METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI 1600 GEST STREET CINCINNATI, OHIO 45204

TIME WARNER CABLE 11252 CORNELL PARK DRIVE CINCINNATI, OH 45242 (513) 489-5483

(513 244-1341)

CABLE TV

your trusted advisor

consultants ar

	SCALE: AS SHOWN	0 <b>Z</b>	REVISION	DATE
CIIY OF SPRINGDALE	<b>DATE</b> : 11/16/2018			
HAMILION COUNTY, OHIO	DESIGNED BY: FHIM			•
	DRAWN BY: EHIM			•
	CHECKED BY: PMAD			

PROJECT NO:

180737

DRAWING NAME

GEN

SHEET

# 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 ANDINCIDENTALS NECESSARY TO COMPLETE THE WORK.

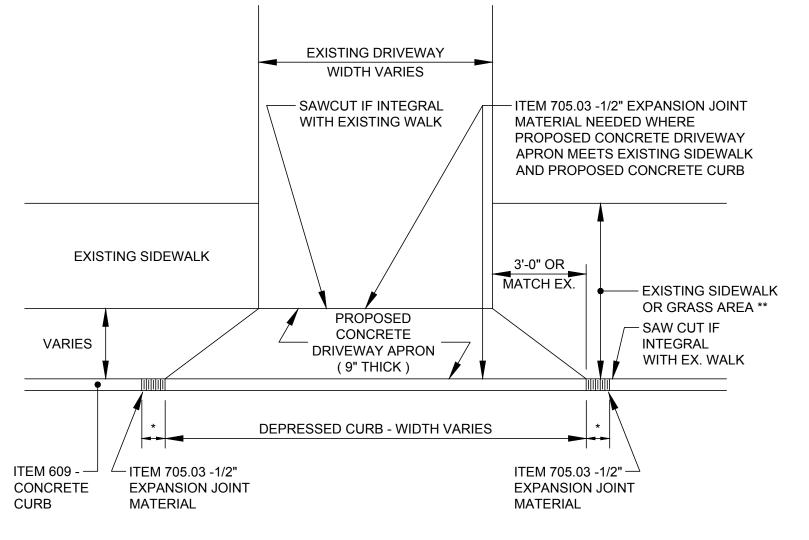
SPECIFIC ATTENTION WILL BE DIRECTED TOWARD THE PROPER USE OF FLAGGERS, LIGHTS, DRUMS, AND TEMPORARY PAVEMENT MARKINGS. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY SIGNS, AND PROVIDE TEMPORARY STRIPING. THE CONTRACTOR SHALL ALSO PROVIDE ALL PLATING. TEMPORARY PAVEMENT AND TRAFFIC CONTROL MEASURES NECESARY. 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:

- 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, WATERMAINS, 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 PHASE1, 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 ANDINCIDENTALS NECESSARY TO COMPLETE THE WORK.

				į.	7 d	23	S	
					consultants consultants	al Crillects	planners	
\(\begin{aligned} \text{T}				No.	Ü			
		•	٠					
			<b>DATE:</b> 11/16/2018	MITH X O GEN CIGOR			DRAWN BT: EHIM	CHECKED BY: PMAD
				HAMILTON COUNTY, OHIO			MAINTENANCE OF TRAFFIC	
_			18	NIN SO	7:	37		 _
_	<u>-</u> -	<u> </u>	ET	VI C	<b>D</b>	T	of 9	



\* 1'-6" TRANSITION FROM STANDARD CURB HEIGHT TO DEPRESSED CURB

\*\* WHERE SIDEWALK ABUTS CURB, EXTENT OF WALK REMOVAL AND REPLACEMENT TO BE FIELD DETERMINED.

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

NTS

ASPHALT DRIVEWAY REPLACEMENT

CENTERED ON
SIDEWALK

A

A' TYPICAL

AS DESIGNATED
ON PLANS

## LEGEND

(A) ITEM 644 - 24" STOP LINE

CONCRETE DRIVEWAY REPLACEMENT

- B ITEM 644 12" CROSSWALK LINES
- C ITEM 644 4" SOLID DOUBLE YELLOW CENTERLINE

# ITEM 644 - PAVEMENT MARKING DETAIL

2' WIDTH OF DRIVEWAY VARIES 2'

3:1 TO

MEET EX.

1"/FT FLAT 1"/FT 3:1 TO

MEET EX.

11/2" ITEM 448 ASPHALT

CONCRETE LEVELING COURSE

1 1/2" ITEM 448 ASPHALT

CONCRETE SURFACE COURSE

6" ITEM 304 AGGREGATE BASE

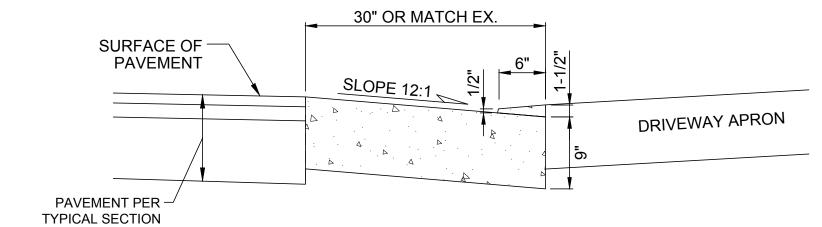
CONCRETE PAVEMENT

ITEM 203 COMPACTED SUBGRADE

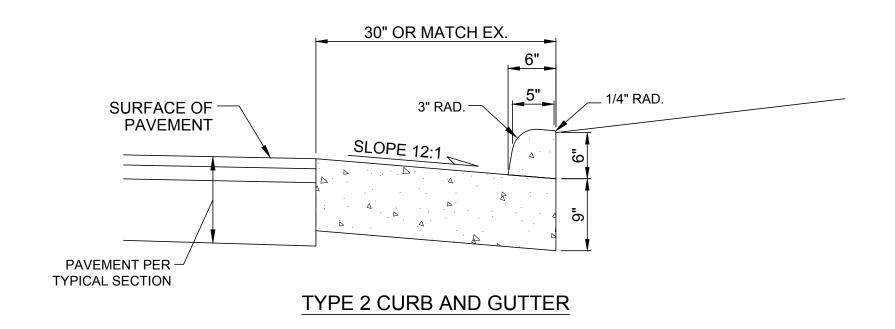
TRENCHES IN PAVED AREAS TRENCHES IN YARD AREAS SEE TYPICAL SECTION - MATCH — ADJACENT PAVEMENT SEED AND MULCH OR SOD AS EX. PAVEMENT — 3" TOPSOIL SAWCUT EXIST. PAVEMENT ASPHALT SEAL ON CUT EDGES & SURFACES LOW STRENGTH MORTAR - SUITABLE SOIL PLACED IN (INCIDENTAL TO CONTROLLED DENSITY FILL (CDF) 6" LAYERS AND COMPACTED CONDUIT) - BEDDING PER 611.06

# TYPICAL TRENCH BACKFILL

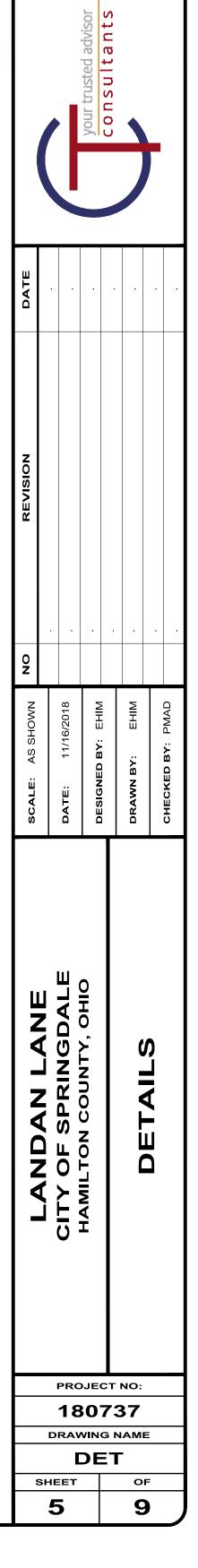
-COST SHALL BE INCIDENTAL TO APPROPRIATE 611

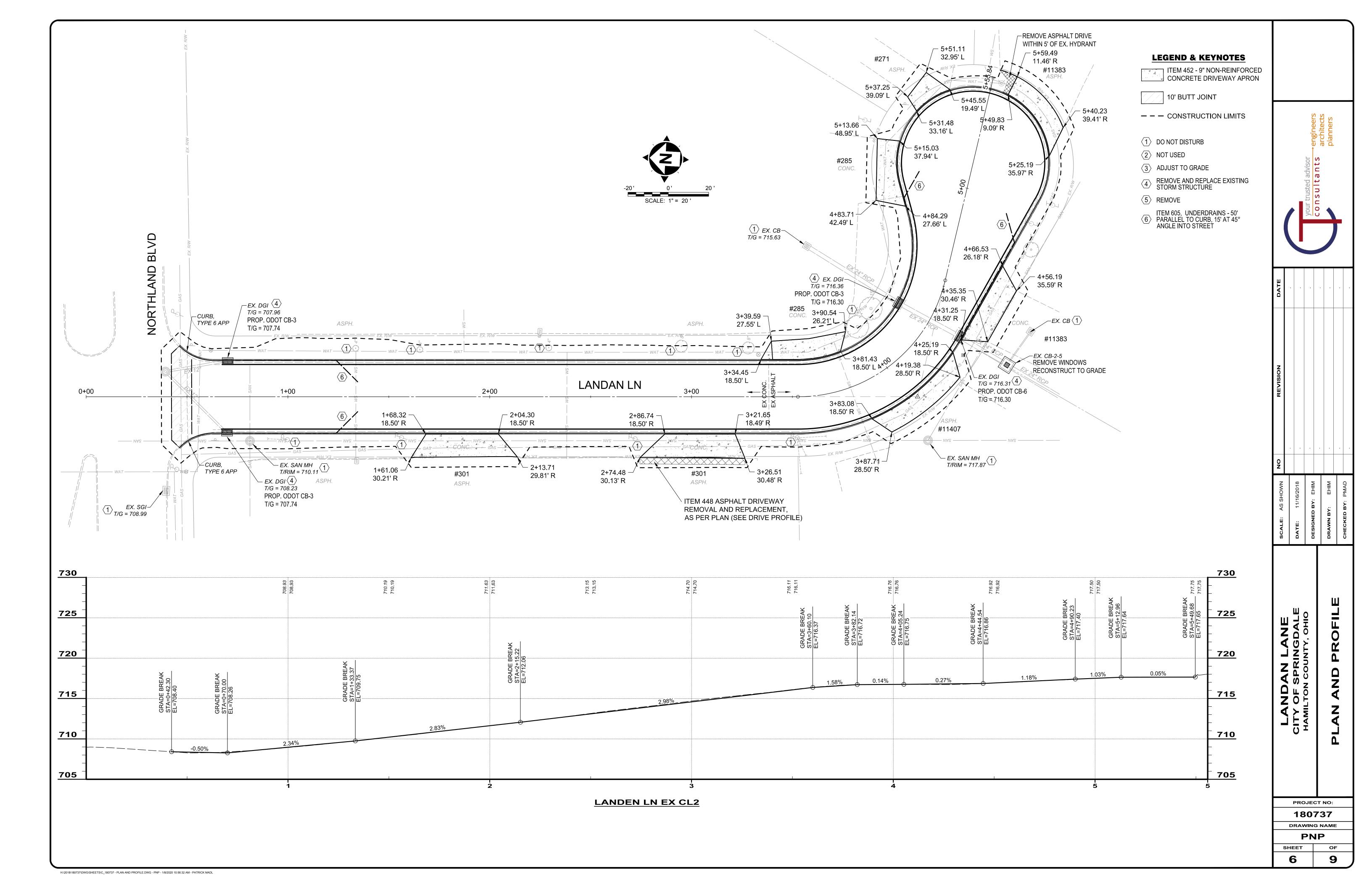


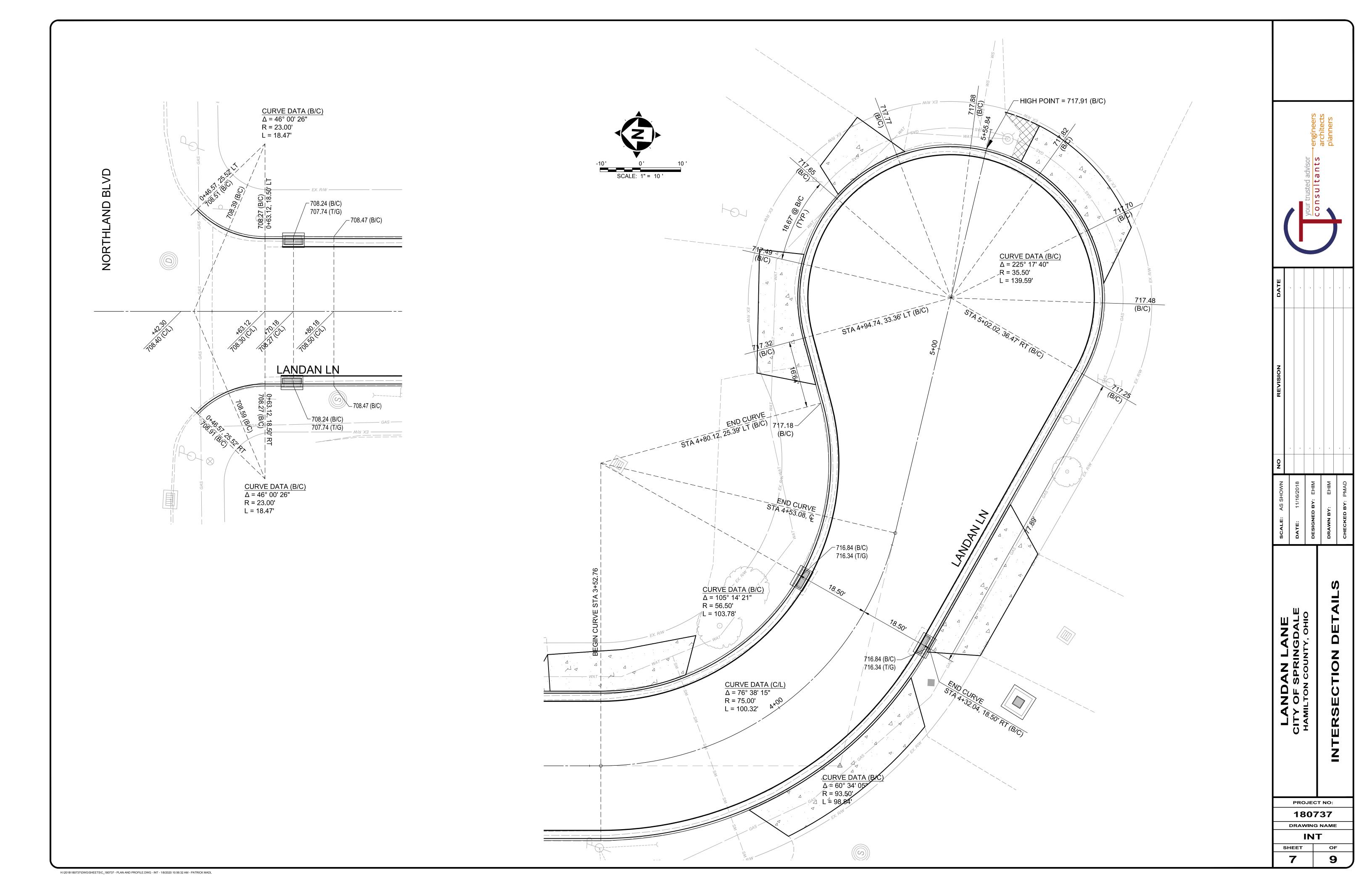
### DEPRESSED TYPE 2 CURB AND GUTTER

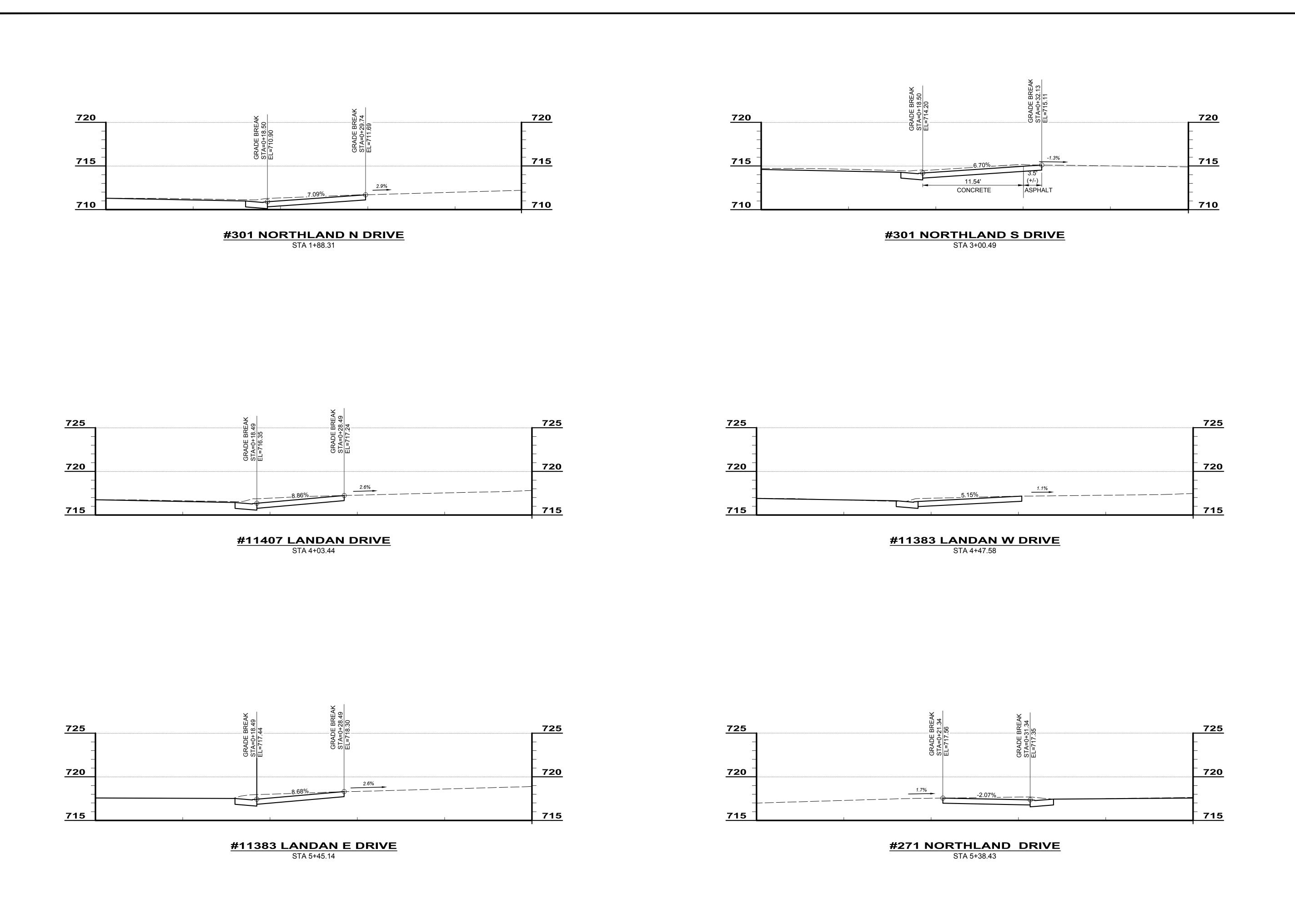


ITEM 609 - ODOT TYPE 2 CURB AND GUTTER, AS PER PLAN









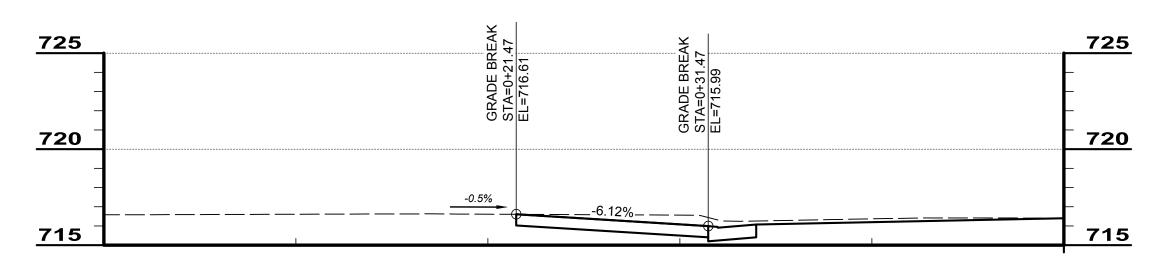
H:\2018\180737\DWG\SHEETS\C\_180737 - DRIVE PROFILE.DWG - DRP1 - 1/8/2020 8:47:07 AM - PATRICK MADL

PROJECT NO:

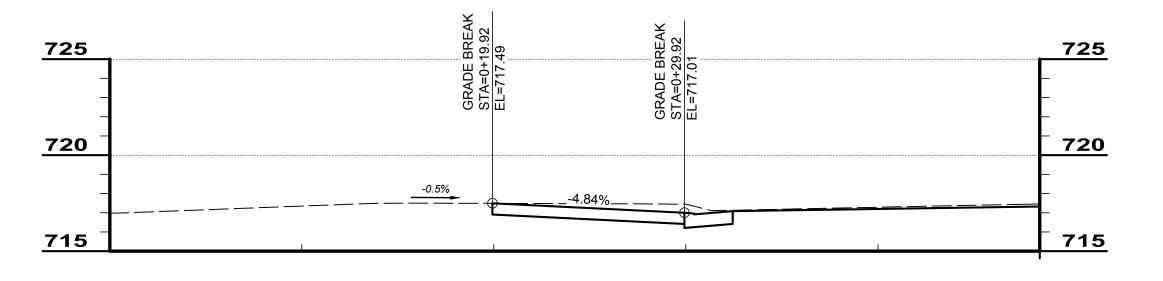
180737
DRAWING NAME

DRP1

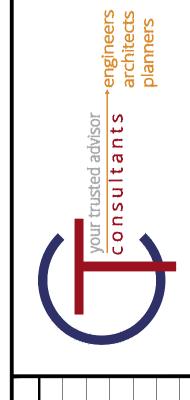
9



#285 NORTHLAND N DRIVE STA 3+61.52



#285 NORTHLAND S DRIVE STA 5+00.84



			<u> </u>		<u> </u>	
	<b>DATE</b> : 11/16/2018	DESIGNED BY: EHIM		DRAWN BY: EHIM		CHECKED BY: PMAD
	CITY OF SPRINGDALE	HAMILION COUNTY, OHIO				
_	PRC	)   07	73	NO:		
	DRAV	VING RI			E	
s٢	HEET			О	F	