THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS

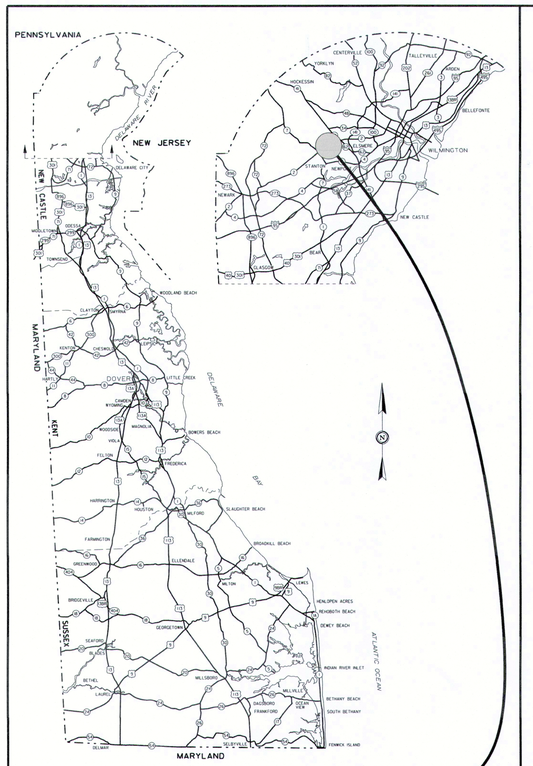
CONSTRUCTION PLANS FOR:

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT NUMBER: T201701103

FEDERAL AID PROJECT NUMBER: N/A

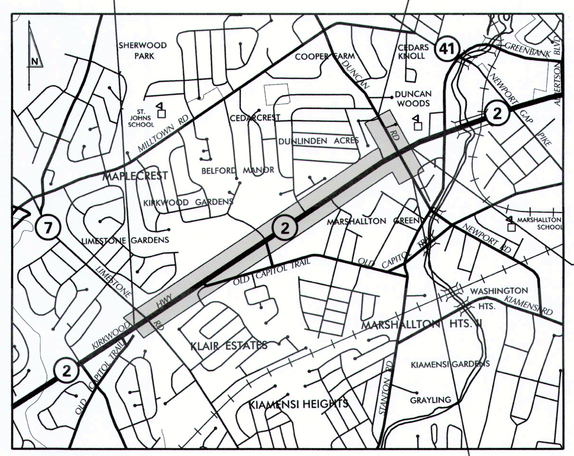
COUNTY: NEW CASTLE M.R. #: 11



GENERAL LOCATION OF CONTRACT

BEGIN CONTRACT STATION 114+55

LIMIT OF CONTRACT STATION 92+64



LOCATION MAP

NOT TO SCALE

END CONTRACT STATION 179+93

LIMIT OF CONTRACT STATION 82+72

DESIGN DESIGNATION		
MRD #: 11	ROAD NAME: SR 2 / KIRKWOOD HIGHWAY	
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL	D.H.V. PROJECTED: N/A	YEAR:
TYPE OF CONSTRUCTION: SIDEWALKS	DESIGN SPEED: 50 M.P.H.	
A.A.D.T. CURRENT: 44,654 YEAR: 2017	TRUCKS: 6 %	
A.A.D.T. PROJECTED: N/A YEAR: N/A	DIRECTION OF DISTRIBUTION: 59 %	

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA /REVISIONS

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
20-111-02	SR 2 / SR 7 INTERSECTION IMPROVEMENTS
85-099-09	SR 2 SIDEWALKS
85-061-10	SR 2, SR 7 TO CRANSTON HEIGHTS BRIDGE
83-061-14	KIRKWOOD HIGHWAY IMPROVEMENTS
64-120-04	KIRKWOOD HIGHWAY IMPROVEMENTS

APPROVED FOR ADVERTISEMENT

DIRECTOR OF PLANNING — DATE 4/1/20

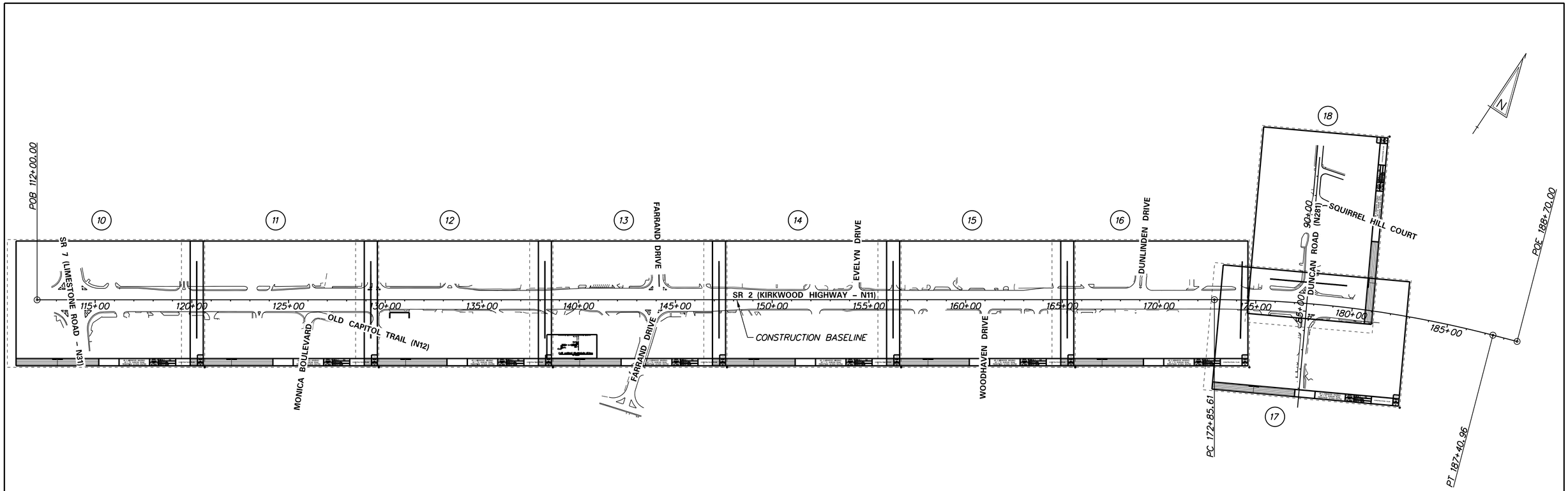
PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "WRA" SECTION DESIGNATION. — DATE 02-28-2020

TODD A. OLIVER REGISTERED No. 12425 DELAWARE PROFESSIONAL ENGINEER — SEAL

LAST REVISED: 08/16/2017
N:\32114-002\CADD\TC01_KIRK.DGN



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ADDENDA / REVISIONS

SCALE
0 250 500 750
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

INDEX OF SHEETS

SECTION: WRA
SHEET NO.: 2

ADDENDA / REVISIONS	

SCALE
0 250 500 750
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

ADDENDA AND REVISIONS

SECTION
WRA
SHEET NO.
3

EXISTING SYMBOLS

DRAINAGE

	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
C.B. / D.I.	DRAINAGE INLET
J.B.	DRAINAGE JUNCTION BOX
D	DRAINAGE MANHOLE
SIZE/TYPE LABEL	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES

	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
(TYPE LABEL)	CURB
(TYPE LABEL)	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
FP	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
LAMP	LAMP AND POST - RESIDENTIAL
MB	MAILBOX
PM	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE

NATURAL ROADSIDE FEATURES

	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	TREE STUMP
	SHRUBBERY
WL	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS

C.M.	PROPERTY MARKER - CONCRETE MON.
I.P.	PROPERTY MARKER - IRON PIPE
100+00	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
PL	EXISTING PROPERTY LINE
EASEMENT TYPE	EXISTING EASEMENT
DA	EXISTING DENIAL OF ACCESS
R/W-DA	EXISTING R/W & DENIAL OF ACCESS

SURVEY CONTROL & MONUMENTATION

B.M.	SURVEY BENCHMARK LOCATION
T.P.	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS

UTILITY

	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
TV	CABLE TV DISTRIBUTION BOX
E	ELECTRIC MANHOLE
EM	ELECTRIC METER
E	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
G	GAS MANHOLE
G.M.	GAS METER
G.V.	GAS VALVE
G.P.	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
S	SANITARY SEWER MANHOLE
S.V.	SANITARY SEWER VALVE
SCO	SANITARY SEWER CLEANOUT OR VENT
S.D.F.	SEPTIC DRAIN FIELD
B	TELEPHONE BOOTH
T	TELEPHONE MANHOLE
T	TELEPHONE TEST POINT
J.W.	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
U	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
F.H.	WATER - FIRE HYDRANT
W.M.	WATER METER
W.V.	WATER VALVE
WELL	WELL HEAD
?	MANHOLE - UNDETERMINED OWNER

UTILITY COMPANY FACILITIES

NCC-S (D)	NEW CASTLE COUNTY SEWER
DP-E (D)	DELMARVA POWER (ELECTRIC)
DP-G (D)	DELMARVA POWER (GAS)
AW-W (D)	ARTESIAN WATER COMPANY
VER-C (D)	VERIZON DELAWARE LLC (TELEPHONE)
ATT-C (D)	AT&T (FIBER OPTIC CABLE)

PROPOSED SYMBOLS

CONSTRUCTION

	CONCRETE SAFETY BARRIER - PERMANENT
BFS	BIOFILTRATION SWALE
	BRICK PATTERNED SURFACE
	BUTT JOINT
CZ	CLEAR ZONE
100+00	CONSTRUCTION BASELINE
CSF	CONSTRUCTION SAFETY FENCE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
	CURB OPENING - SUMP / ON GRADE
	CURB OPENING WITH SIDEWALK
	DRAINAGE INLET
	DITCH
	FENCE - METAL / FENCE - WOOD
	FLARED END / SAFETY END SECTION
	GUARDRAIL, TYPE 1
	GUARDRAIL, TYPE 2
	GUARDRAIL, TYPE 3
	GUARDRAIL END ANCHORAGE
	GUARDRAIL END TREATMENT, TYPE 1
	GUARDRAIL END TREATMENT, TYPE 2
	GUARDRAIL END TREATMENT, TYPE 3
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
LO	LATERAL OFFSET
LOC	LIMIT OF CONSTRUCTION
MB	MAILBOX
	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	UNDERDRAIN
	UNDERDRAIN OUTLET

RIGHT-OF-WAY SYMBOLS

	PROPOSED RIGHT-OF-WAY MONUMENT
DA	PROPOSED DENIAL OF ACCESS
PE	PROPOSED PERMANENT EASEMENT
R/W	PROPOSED RIGHT-OF-WAY
R/W-DA	PROPOSED R/W & DENIAL OF ACCESS
RTE	RIGHT-TO-ENTER
TCE	TEMPORARY CONSTRUCTION EASEMENT
100+00	PROPOSED RIGHT-OF-WAY BASELINE

IDENTIFIERS

A/C	ADJUST BY CONTRACTOR
A/O	ADJUST BY OTHERS
B	CONCRETE SAFETY BARRIER
C	CURB OR CURB & GUTTER
CJB	CONVERT TO JUNCTION BOX
CMH	CONVERT TO DRAINAGE MANHOLE
C/O	CURB OPENING - SUMP / ON GRADE
CO/SW	CURB OPENING WITH SIDEWALK
PC	PEDESTRIAN CONNECTION / TYPE
PC-N	PEDESTRIAN CONNECTION / TYPE WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
CSF	CONSTRUCTION SAFETY FENCE
DI	DRAINAGE INLET
DND	DO NOT DISTURB
ED	ENERGY DISSIPATOR
F	FENCE
FES	FLARED END SECTION
FF/C	FILL WITH FLOWABLE FILL
FS	FILTRATION STRUCTURE
GR	GUARDRAIL
JB	JUNCTION BOX
MH	MANHOLE
M	MONUMENT - RIGHT-OF-WAY
P	PIPE
RL/C	RELOCATE BY CONTRACTOR
RL/O	RELOCATE BY OTHERS
RL/PO	RELOCATE BY PROPERTY OWNER
RM/C	REMOVE BY CONTRACTOR
RM/TC	REMOVE BY TRAFFIC CONTRACTOR
RM/O	REMOVE BY OTHERS
SES	SAFETY END SECTION
UD	UNDERDRAIN / LENGTH
UDO	UNDERDRAIN OUTLET PIPE

LANDSCAPING

LS	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

TRAFFIC

ITMS-CON	ITMS CONDUIT
SIG-CON	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

PAVEMENT SECTION(S)

	COMMERCIAL ENTRANCES, PATCHING, AND FULL DEPTH RECONSTRUCTION/PATCHING - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	MILL AND OVERLAY - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	8" CONCRETE

MISCELLANEOUS

	DETECTABLE WARNING SYSTEM

ADDENDA / REVISIONS

NOT TO SCALE

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT T201701103	BRIDGE NO. N/A	LEGEND
COUNTY NEW CASTLE	DESIGNED BY: S. BEALL	SECTION WRA
	CHECKED BY: T. OLIVER	SHEET NO. 4

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2017, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

( )	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	ALL PLAN SHEETS, IN PDF FORMAT.
( )	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
( )	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
( )	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

( )	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

PROJECT NOTES

SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AIRCRAFT VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

SECTION 200

3. THE CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN CURBED SECTIONS, THE FACE OF THE MAILBOX SHALL BE FLUSH WITH THE BACK EDGE OF CURB. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE SET 46 INCHES ABOVE THE ROADWAY SURFACE. MAILBOXES LOCATED AT DRIVEWAY ENTRANCES SHALL BE PLACED ON THE FAR SIDE OF THE DRIVEWAY IN THE DIRECTION OF TRAVEL. POSTS BEING RESET IN CONCRETE SIDEWALK SHALL BE PLACED IN AN APPROPRIATE SIZE PVC SLEEVE. ACCEPTABLE POSTS SHALL BE 4 INCH X 4 INCH WOOD POST OR 4 INCH DIAMETER WOOD POST. FOR RELOCATING MULTIPLE MAILBOXES TOGETHER ALL POSTS SHALL BE SEPARATED BY A DISTANCE OF NO LESS THAN 3/4 OF THEIR FULL HEIGHT ABOVE THE GROUND. MULTIPLE MAILBOXES ATTACHED TO A SINGLE HORIZONTAL BOARD SHALL NOT BE LOCATED INSIDE THE CLEAR ZONE. EACH MAIL BOX SHALL BE PLACED ON AN INDIVIDUAL POST MEETING THE CRITERIA ABOVE. ALL MAILBOXES SHALL BE SET NOT TO IMPEDE THE MINIMUM PAR (PEDESTRIAN ACCESS ROUTE) WIDTH AS DETERMINED BY THE CURRENT EDITION OF THE PEDESTRIAN ACCESSIBILITY STANDARDS FOR FACILITIES IN THE PUBLIC RIGHT OF WAY. IF MAILBOXES ARE NOT SET IN ACCORDANCE WITH THE ABOVE DIRECTIONS, RESETTING OF THE MAILBOXES WILL BE AT THE COST OF THE CONTRACTOR. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.

4. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   a. FENCES
   b. GUARDRAIL
   c. BOLLARDS
   d. BUS SHELTERS, BENCHES, TRASH CANS
   e. JUNCTION WELLS
   f. CONDUIT
   g. PAY PHONE
   h. CONCRETE SUPPORT FOUNDATIONS FOR MISCELLANEOUS SMALL STRUCTURES NOT COVERED UNDER OTHER PAY ITEMS

SECTION 400

5. THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT RESIDENTIAL DRIVEWAYS SHALL BE 2" BITUMINOUS CONCRETE, TYPE 'C' OVER 8" GRADED AGGREGATE BASE COURSE, TYPE 'B', UNLESS OTHERWISE NOTED ON THE PLANS.

SECTION 600

6. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 OR TYPE 4, SHALL BE REPLACED. THE ACTUAL LOCATIONS, THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/FRAMES SHALL BE DELIVERED TO THE NEAREST DISTRICT MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO ITEM 602100 - REPLACING DRAINAGE INLET GRATE(S). FINAL PAYMENT FOR REPLACED GRATES/FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

7. STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.

SECTION 700

8. WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAW CUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762001 - SAW CUTTING, CONCRETE, FULL DEPTH.

9. THE NEW CASTLE COUNTY DEPARTMENT OF PUBLIC WORKS SHALL SUPPLY AND THE STATE'S CONTRACTOR SHALL INSTALL NEW SELF SEALING MANHOLE FRAMES AND COVERS ON ALL COUNTY SEWER MANHOLES THAT ARE NOT BEING RELOCATED, WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE COUNTY'S STANDARD SPECIFICATIONS. THE EXISTING MANHOLE FRAMES AND COVERS THAT ARE REMOVED SHALL BECOME THE PROPERTY OF THE STATE'S CONTRACTOR. PAYMENT SHALL BE INCIDENTAL TO ITEM 711500 - ADJUST AND REPAIR EXISTING SANITARY SEWER MANHOLE.

10. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAW CUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

11. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING EXISTING CURB, SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.

SECTION 900

12. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

13. FOR FULL DEPTH PAVEMENT PATCHING, CURB RAMP CONSTRUCTION, SIDEWALK CONSTRUCTION, AND/OR UTILITY RELOCATIONS, BARE SOILS SHALL BE COVERED WITHIN THREE (3) CALENDAR DAYS TO PREVENT EROSION. THIS CAN BE ACCOMPLISHED BY PLACING PROPOSED SUBBASE MATERIAL SUCH AS GRADED AGGREGATE BASE COURSE (GABC) OR GEOTEXTILE / PLASTIC SHEETING THAT IS SECURED SO AS TO NOT BLOW AWAY OR BE UNDERMINED BY RUNOFF.

MISCELLANEOUS

14. THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.

15. WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

16. THE CONTRACTOR SHALL ONLY EXCAVATE AN AREA FOR SIDEWALK CONSTRUCTION THAT CAN BE BACKFILLED WITH APPROVED PEDESTRIAN MATERIAL AT THE END OF EACH WORK DAY. PAYMENT FOR PLACEMENT AND/OR REMOVAL OF MATERIAL WILL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.

17. UTILITY COVERS WITHIN THE PAR SHALL BE SKID RESISTANT AND COMPLY WITH VERTICAL SURFACE DISCONTINUITY CRITERIA (PER PAS MANUAL SECTION 3.3.2) AND HORIZONTAL GAP AND JOINT CRITERIA (PER PAS MANUAL SECTION 3.3.3). UTILITY COMPANIES SHALL SUPPLY AND THE CONTRACTOR SHALL REPLACE AND/OR ADJUST UTILITY COVERS AS NECESSARY.

18. ALL UTILITY POLES, BOLLARDS, AND OTHER OBSTRUCTIONS WITHIN THE PAR HAVE BEEN MEASURED IN THE FIELD TO ENSURE COMPLIANCE WITH SECTION 3.7.1.2 OF THE PAS MANUAL.

19. ALL DART SIGNS HAVE BEEN UPDATED TO A NEW DESIGN. THE DELDOT SIGN SHOP DOES NOT FABRICATE THE UPDATED SIGN OR ANY SUPPLEMENTAL PLAQUES TO ALLOW FOR ADDITIONAL ROUTE NUMBERS. ALL REQUESTS FOR FABRICATION OF THESE SIGNS MUST BE MADE THROUGH DART TRANSIT AT 302-576-6132.

20. NIGHT WORK IS REQUIRED FOR LANE CLOSURES ON SR 2 AND DUNCAN ROAD. COMPLIANCE WITH ALL LOCAL, COUNTY, AND STATE ORDINANCES, INCLUDING NOISE LIMITATIONS, IS THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL COSTS TO WORK AT NIGHT, INCLUDING BUT NOT LIMITED TO TEMPORARY/ PORTABLE LIGHT ASSEMBLIES WILL BE PAID FOR UNDER THE RESPECTIVE CONTRACT ITEMS.

21. CONTRACTOR SHALL COORDINATE WITH DELMARVA POWER AND VERIZON TO IDENTIFY POLES THAT NEED TO BE TEMPORARILY HELD OR PROTECTED DURING CONSTRUCTION.

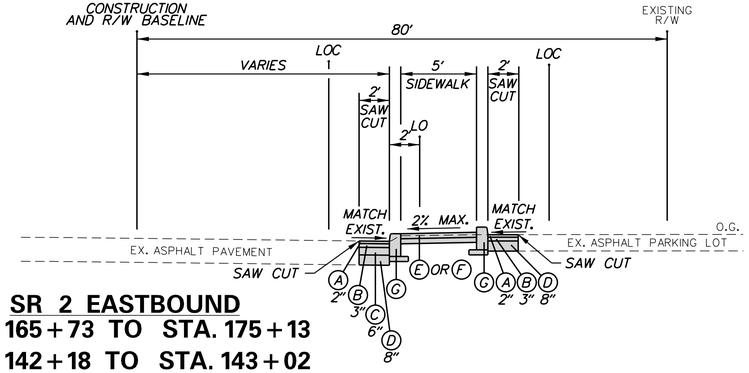
22. THE FOLLOWING NOTES ARE SPECIFIC TO THE PROPOSED FIRE HYDRANT RELOCATION ON SHEET CP-04.

    A. ARTESIAN WATER CO. SHALL SUPPLY THE CONTRACTOR WITH THE FOLLOWING MATERIALS NEEDED TO COMPLETE THE REMOVAL AND REPLACEMENT OF THE FIRE HYDRANT AND PROPOSED 3/4" IRRIGATION SERVICE PIPE AS SHOWN ON SHEET CP-04: CLASS 50 6-INCH DUCTILE IRON PIPE AND APPURTENANCES, GATE VALVES AND VALVE BOXES, PIPE BENDS, 3/4" TYPE K COPPER PIPE AND APPURTENANCES, AND FIRE HYDRANT. THE EXISTING FIRE HYDRANT SHALL BE RETURNED TO ARTESIAN WATER CO. UPON REMOVAL. THE CONTRACTOR SHALL CONTACT ARTESIAN A MINIMUM OF 30 DAYS PRIOR TO BEGINNING ANY WORK RELATED TO THE FIRE HYDRANT RELOCATION TO COORDINATE DELIVERY OF ALL MATERIALS.

    B. THE STATE'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE EXISTING FIRE HYDRANT, INSTALLATION OF THE NEW FIRE HYDRANT ALONG WITH THE ASSOCIATED PIPE REMOVAL/INSTALLATION AS DEPICTED ON SHEET CP-04. THIS WORK INCLUDES LABOR FOR EXCAVATION, PIPE TRENCH PREPARATION AND BACKFILL, PIPE INSTALLATION, GATE VALVE AND VALVE BOX INSTALLATION, AND PIPE TESTING. THE CONTRACTOR MAY USE EXISTING EXCAVATED MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F FOR BACKFILLIING. THIS WORK AND ANY NECESSARY MATERIALS NOT SUPPLIED BY ARTESIAN WATER CO. TO COMPLETE THE WORK SHALL BE PAID FOR UNDER ITEM 710041 RELOCATING FIRE HYDRANT. BORROW, TYPE C USED FOR PIPE BEDDING SHALL BE PAID FOR UNDER ITEM 209003.

    C. THE PROPOSED FIRE HYDRANT AND WATER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE DELAWARE STATE FIRE CODE AND ARTESIAN WATER CO. SPECIFICATIONS. ALL TESTING OF PROPOSED FACILITIES SHALL BE IN ACCORDANCE WITH CURRENT ARTESIAN WATER CO. SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH ARTESIAN WATER CO. TO SCHEDULE TESTING. ALL CONTRACTOR COSTS ASSOCIATED WITH TESTING SHALL BE INCIDENTAL TO ITEM 710041.

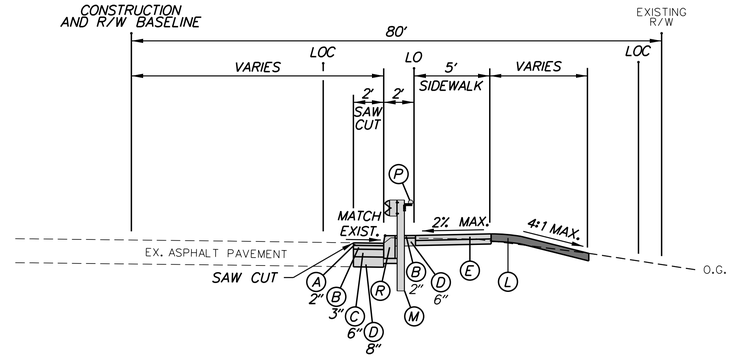
    D. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE AT ALL TIMES. ANY DAMAGE TO EXISTING UTILITIES DUE TO CONTRACTOR NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT THE CONTRACTOR'S EXPENSE.



SR 2 EASTBOUND

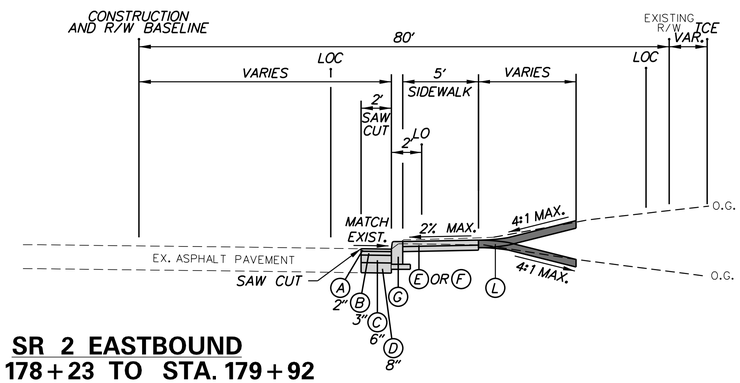
STA. 165+73 TO STA. 175+13
STA. 142+18 TO STA. 143+02
*** STA. 131+23 TO STA. 131+64**
STA. 117+13 TO STA. 117+34

* SECTION DOES NOT INCLUDE CURB REPLACEMENT ALONG SR 2



SR 2 EASTBOUND

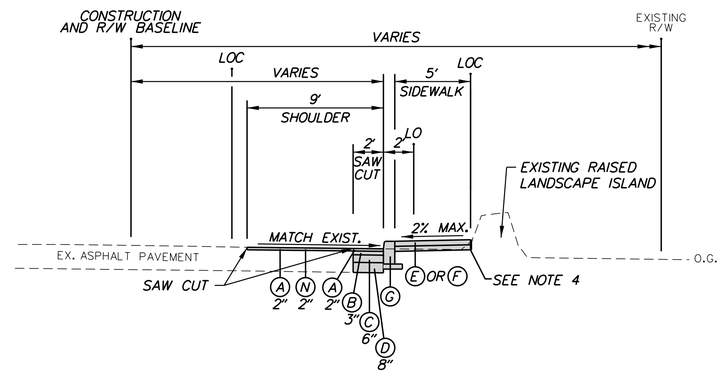
STA. 153+79 TO STA. 155+55



SR 2 EASTBOUND

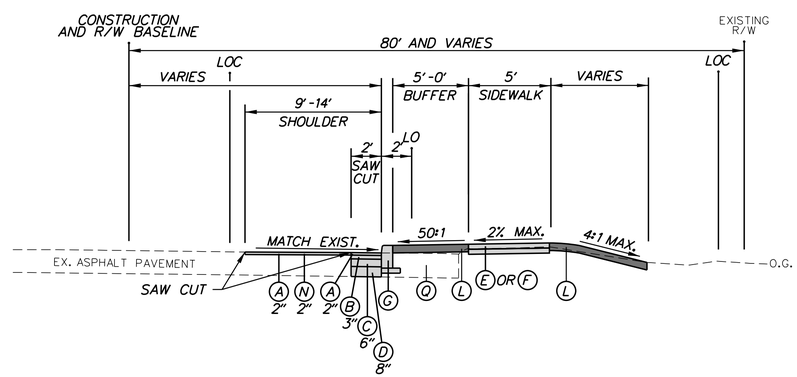
STA. 178+23 TO STA. 179+92
STA. 167+11 TO STA. 167+73
STA. 162+74 TO STA. 163+32
****STA. 157+03 TO STA. 159+16**
*** STA. 151+62 TO STA. 152+82**
STA. 147+27 TO STA. 148+85
STA. 135+94 TO STA. 142+18
STA. 132+04 TO STA. 133+82
STA. 127+41 TO STA. 131+23
STA. 117+72 TO STA. 121+50
STA. 116+58 TO STA. 116+82

* STA. 141+48 TO STA. 142+18 DOES NOT INCLUDE CURB REPLACEMENT
** SEE CP-06 FOR LIMITS OF 8" PCC PAVEMENT FOR DRIVEWAY APRON



SR 2 EASTBOUND

STA. 125+93 TO STA. 127+06



SR 2 EASTBOUND

STA. 127+41 TO STA. 129+02
STA. 123+91 TO STA. 125+65

LEGEND

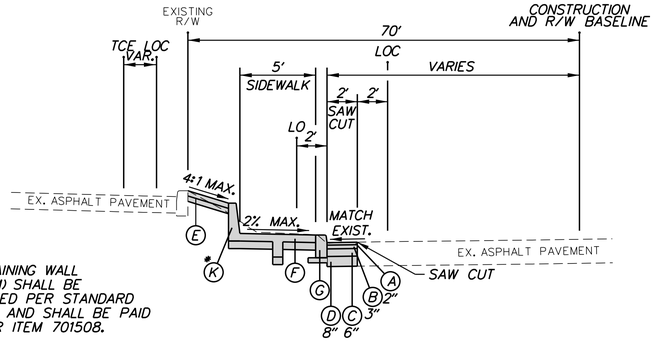
- (A) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (B) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (C) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (D) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (F) ITEM 705002 - P.C.C. SIDEWALK, 6" ON 6" GRADED AGGREGATE BASE COURSE, TYPE B
- (G) ITEM 701012 - P.C.C. CURB, TYPE 1-6 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (H) ITEM 701013 - P.C.C. CURB, TYPE 1-8 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (J) ITEM 701018 - I.P.C.C. CURB & GUTTER, TYPE 1-8 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (K) ITEM 701508 - CURB RETAINING WALL, TYPE 2 ON 6" GRADED AGGREGATE BASE COURSE, TYPE B
- (L) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
- (M) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (N) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (P) ITEM 721515 - GUARDRAIL POST CAP
- (Q) ITEM 209006 - BORROW, TYPE F
- (R) ITEM 701011 - P.C.C. CURB, TYPE 1-4 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

NOTES:

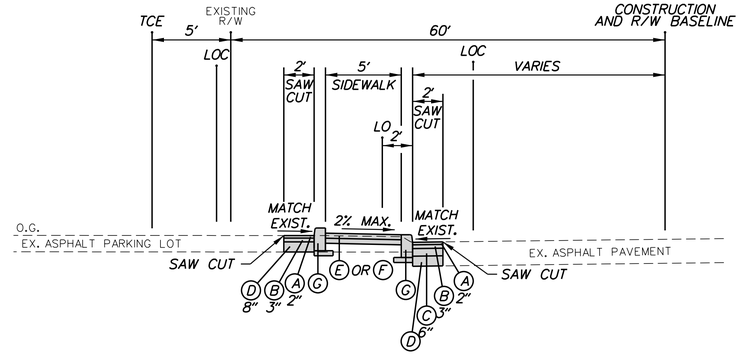
1. COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH.
2. WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
3. COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER PROPOSED P.C.C. CURB, I.P.C.C. CURB AND GUTTER, AND CURB RETAINING WALLS SHALL BE INCIDENTAL TO ITEMS 701012, 701018, AND 701507.
4. CONTRACTOR SHALL INSTALL EXPANDABLE JOINT MATERIAL BETWEEN BACK OF PROPOSED SIDEWALK AND FACE OF EXISTING WOOD LANDSCAPING WALL. COST SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4".

ADDENDA / REVISIONS	NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
			COUNTY NEW CASTLE	DESIGNED BY: M. FOX		SHEET NO. 6
				CHECKED BY: T. OLIVER		

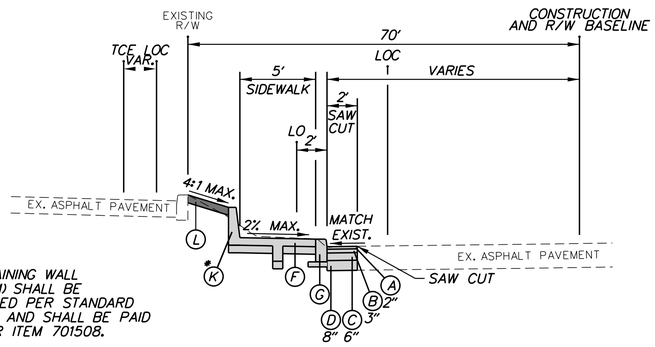


* CURB RETAINING WALL (2' MINIMUM) SHALL BE CONSTRUCTED PER STANDARD DETAIL C-6 AND SHALL BE PAID FOR UNDER ITEM 701508.

SR 2 WESTBOUND
STA. 127+26 TO STA. 132+76

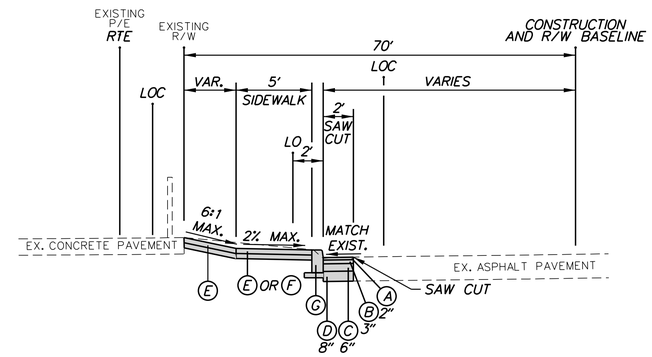


SR 2 WESTBOUND
STA. 169+63 TO STA. 170+99

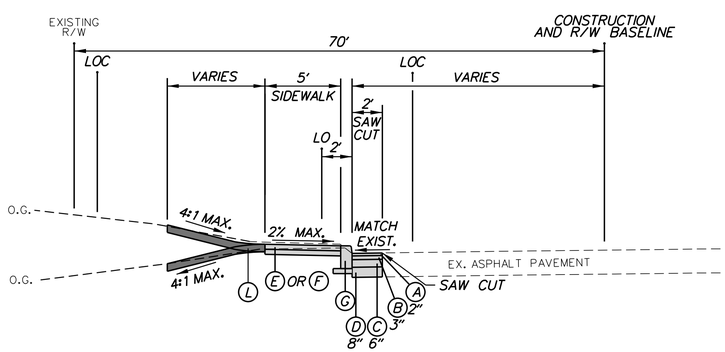


* CURB RETAINING WALL (2' MINIMUM) SHALL BE CONSTRUCTED PER STANDARD DETAIL C-6 AND SHALL BE PAID FOR UNDER ITEM 701508.

SR 2 WESTBOUND
STA. 126+30 TO STA. 126+87

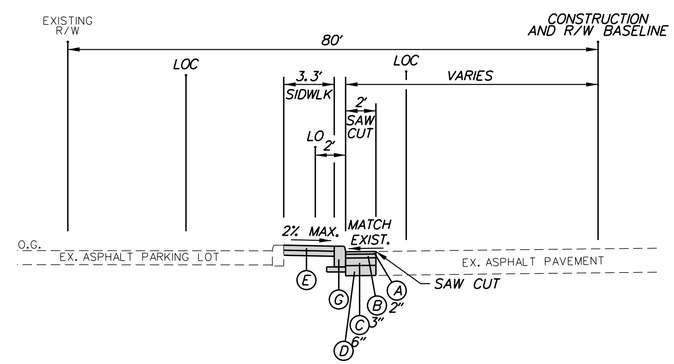


SR 2 WESTBOUND
STA. 164+77 TO STA. 168+23
STA. 162+55 TO STA. 164+48



SR 2 WESTBOUND

STA. 136+50 TO STA. 140+35
STA. 133+80 TO STA. 134+46
STA. 122+50 TO STA. 126+10
STA. 118+60 TO STA. 120+14
STA. 172+19 TO STA. 175+30
STA. 156+75 TO STA. 162+55
STA. 151+50 TO STA. 153+95



SR 2 WESTBOUND
STA. 140+63 TO STA. 141+85

LEGEND

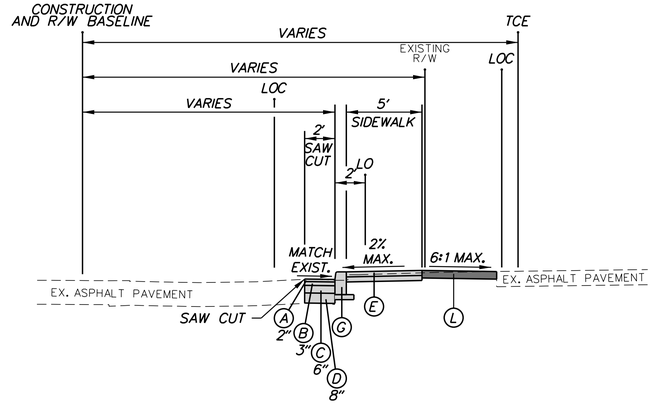
- (A) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (B) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (C) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (D) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (F) ITEM 705002 - P.C.C. SIDEWALK, 6" ON 6" GRADED AGGREGATE BASE COURSE, TYPE B
- (G) ITEM 701012 - P.C.C. CURB, TYPE 1-6 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (H) ITEM 701013 - P.C.C. CURB, TYPE 1-8 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (J) ITEM 701018 - I.P.C.C. CURB & GUTTER, TYPE 1-8 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (K) ITEM 701508 - CURB RETAINING WALL, TYPE 2 ON 6" GRADED AGGREGATE BASE COURSE, TYPE B
- (L) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
- (M) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (N) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (P) ITEM 721515 - GUARDRAIL POST CAP
- (Q) ITEM 209006 - BORROW, TYPE F
- (R) ITEM 701011 - P.C.C. CURB, TYPE 1-4 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

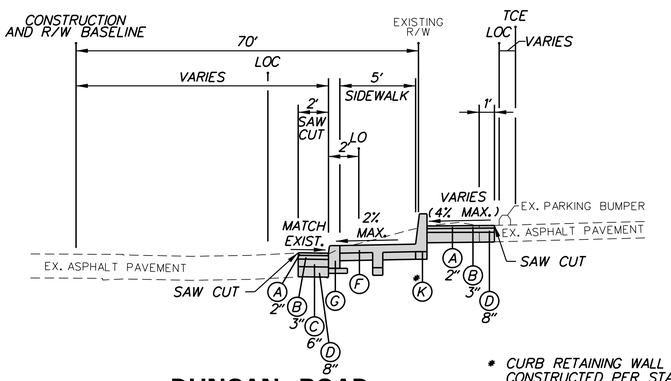
NOTES:

1. COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH.
2. WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
3. COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER PROPOSED P.C.C. CURB, I.P.C.C. CURB AND GUTTER, AND CURB RETAINING WALLS SHALL BE INCIDENTAL TO ITEMS 701012, 701018, AND 701507.
4. CONTRACTOR SHALL INSTALL EXPANDABLE JOINT MATERIAL BETWEEN BACK OF PROPOSED SIDEWALK AND FACE OF EXISTING WOOD LANDSCAPING WALL. COST

ADDENDA / REVISIONS	NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
			COUNTY NEW CASTLE	DESIGNED BY: M. FOX		SHEET NO. 7
				CHECKED BY: T. OLIVER		

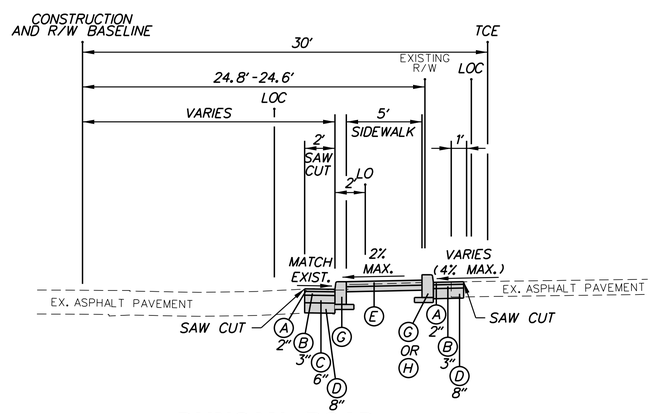


DUNCAN ROAD
STA. 84+42 TO STA. 84+53



* CURB RETAINING WALL (2' MINIMUM) SHALL BE CONSTRUCTED PER STANDARD DETAIL C-6 AND SHALL BE PAID FOR UNDER ITEM 701508.

DUNCAN ROAD
STA. 83+70 TO STA. 84+42



DUNCAN ROAD
STA. 86+10 TO STA. 86+89
STA. 82+78 TO STA. 83+70

LEGEND

- (A) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (B) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (C) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
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- (E) ITEM 705001 - P.C.C. SIDEWALK, 4" ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
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- (G) ITEM 701012 - P.C.C. CURB, TYPE 1-6 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
- (H) ITEM 701013 - P.C.C. CURB, TYPE 1-8 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B
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- (K) ITEM 701508 - CURB RETAINING WALL, TYPE 2 ON 6" GRADED AGGREGATE BASE COURSE, TYPE B
- (L) ITEM 908004 - TOPSOIL, 6" DEPTH
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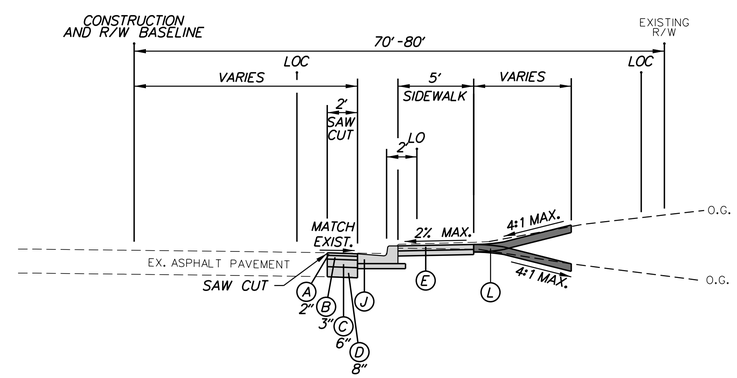
- (Q) ITEM 209006 - BORROW, TYPE F
- (R) ITEM 701011 - P.C.C. CURB, TYPE 1-4 ON 4" GRADED AGGREGATE BASE COURSE, TYPE B

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

NOTES:

1. COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH.
2. WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
3. COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER PROPOSED P.C.C. CURB, I.P.C.C. CURB AND GUTTER, AND CURB RETAINING WALLS SHALL BE INCIDENTAL TO ITEMS 701012, 701018, AND 701507.
4. CONTRACTOR SHALL INSTALL EXPANDABLE JOINT MATERIAL BETWEEN BACK OF PROPOSED SIDEWALK AND FACE OF EXISTING WOOD LANDSCAPING WALL. COST SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4".



DUNCAN ROAD
STA. 87+60 TO STA. 91+93

ADDENDA / REVISIONS		NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
				COUNTY NEW CASTLE	DESIGNED BY: M. FOX		SHEET NO. 8
					CHECKED BY: T. OLIVER		

HORIZONTAL / VERTICAL CONTROL DATA
KIRKWOOD HIGHWAY (SR 2)

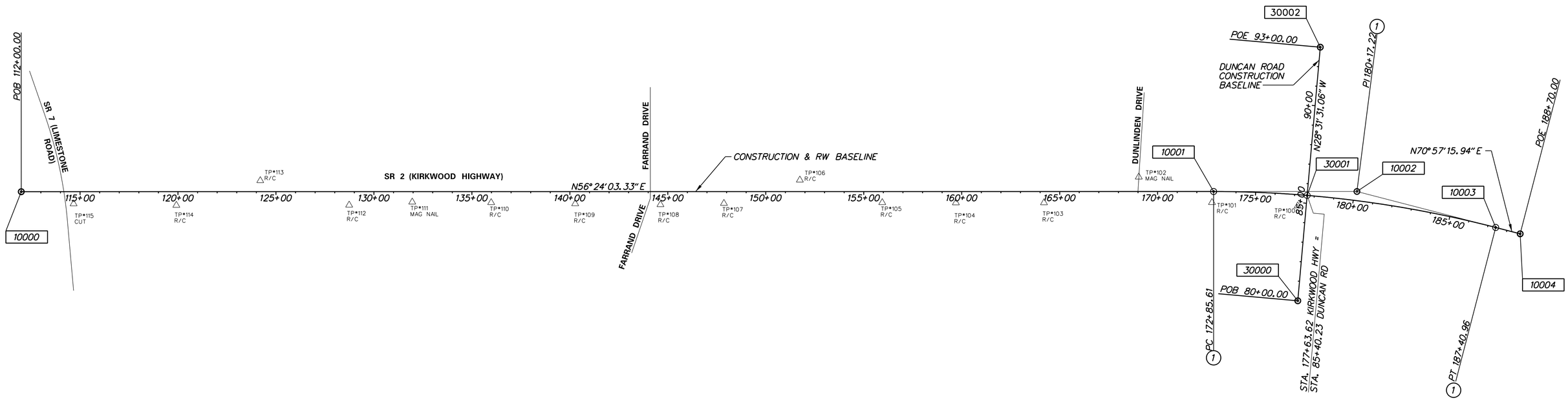
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
100	177+19.73	57.40' RT	631351.9265	593527.4417	92.09'
101	172+77.46	56.28' RT	631124.3073	593153.4056	86.88'
102	169+03.76	74.06' LT	631026.0748	592770.0108	89.37'
103	164+19.94	57.25' RT	630648.9675	592439.6821	101.24'
104	159+70.28	57.25' RT	630400.1327	592065.1491	105.09'
105	155+94.37	56.22' RT	630192.9721	591751.4667	103.94'
106	151+73.88	58.73' LT	630056.0274	591337.6184	102.70'
107	147+86.21	60.14' RT	629742.4919	591080.5015	100.94'
108	144+62.28	66.54' RT	629557.9003	590814.2333	94.78'
109	140+27.14	61.76' RT	629321.0863	590449.1444	81.54'
110	135+98.38	55.84' RT	629088.7501	590088.7462	73.43'
111	131+95.48	52.96' RT	628868.1963	589751.5600	80.59'
112	128+73.65	68.52' RT	628677.1413	589492.1091	88.79'
113	124+19.88	56.30' LT	628529.9962	589045.0808	89.12'
114	119+91.61	69.62' RT	628188.1222	588758.0383	85.15'
115	114+67.14	61.91' RT	627904.3153	588316.9233	83.38'

CONSTRUCTION ALIGNMENT CONTROL
KIRKWOOD HIGHWAY (SR 2)

POINT	STATION	OFFSET	NORTHING	EASTING
10000	112+00.00	0.00'	627808.0491	588060.1579
10004	188+70.00	0.00'	631861.3981	594551.9691
10005	115+00.00	0.00'	627974.0625	588310.0369
10006	120+00.00	0.00'	628250.7515	588726.5020
10007	125+00.00	0.00'	628527.4406	589142.9671
10008	130+00.00	0.00'	628804.1296	589559.4322
10009	135+00.00	0.00'	629080.8187	589975.8973
10010	140+00.00	0.00'	629357.5077	590392.3624
10011	145+00.00	0.00'	629634.1968	590808.8274
10012	150+00.00	0.00'	629910.8858	591225.2925
10013	155+00.00	0.00'	630187.5749	591641.7576
10014	160+00.00	0.00'	630464.2639	592058.2227
10015	165+00.00	0.00'	630740.9530	592474.6878
10016	170+00.00	0.00'	631017.6420	592891.1529

CONSTRUCTION ALIGNMENT CONTROL
DUNCAN ROAD

POINT	STATION	OFFSET	NORTHING	EASTING
30000	80+00.00	0.00'	630948.6530	593795.7447
30001	85+40.23	0.00'	631423.3049	593537.7583
30002	92+00.00	0.00'	632002.9806	593222.6886



CIRCULAR CURVE NO. 1

	STATION	NORTHING	EASTING
Element: Circular			
PC (10001)	172+85.61	631175.6898	593129.0423
PI (10002)	180+17.22	631580.5483	593738.4247
CC (cc10002)		626403.3514	596299.6652
PT (10003)	187+40.96	631819.2883	594429.9886
Radius:	5729.5780		
Delta:	14° 33' 12.6035" Right		
Degree of Curvature(Arc):	1° 00' 00.0000"		
Length:	1455.3501		
Tangent:	731.6129		
Chord:	1451.4408		
Middle Ordinate:	46.1465		
External:	46.5212		
Tangent Direction:	N 56° 24' 03.3319" E		
Radial Direction:	S 33° 35' 56.6681" E		
Chord Direction:	N 63° 40' 39.6336" E		
Radial Direction:	S 19° 02' 44.0646" E		
Tangent Direction:	N 70° 57' 15.9354" E		

DATUM REFERENCE:
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/91).
VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

ADDENDA / REVISIONS

SCALE
0 250 500 750
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: M. FOX	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

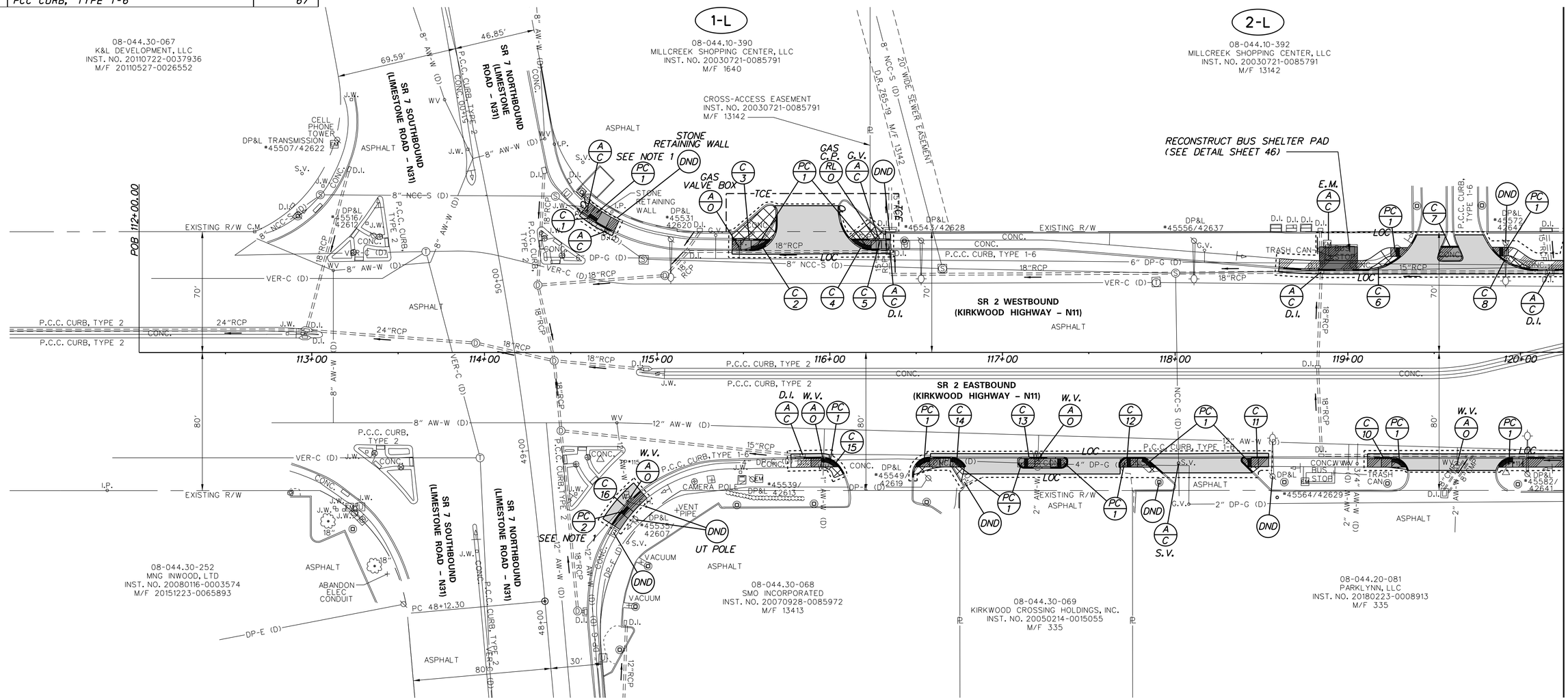
HORIZONTAL AND VERTICAL CONTROL

SECTION: WRA
SHEET NO. 9

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	PCC CURB, TYPE 1-6	22'
2	PCC CURB, TYPE 1-6	46'
3	PCC CURB, TYPE 1-6	22'
4	PCC CURB, TYPE 1-6	47'
5	PCC CURB, TYPE 1-6	22'
6	PCC CURB, TYPE 1-6	89'
7	PCC CURB, TYPE 1-6	11'
8	PCC CURB, TYPE 1-6	55'
10	PCC CURB, TYPE 1-6	59'
11	PCC CURB, TYPE 1-6	67'

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
12	PCC CURB, TYPE 1-6	59'
13	PCC CURB, TYPE 1-6	66'
14	PCC CURB, TYPE 1-6	41'
15	PCC CURB, TYPE 1-6	35'
16	PCC CURB, TYPE 1-6	26'

NOTES:
1. CONTRACTOR SHALL RECONSTRUCT THE CURB RAMP TO ENSURE POSITIVE DRAINAGE AWAY FROM THE LANDING AREA.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

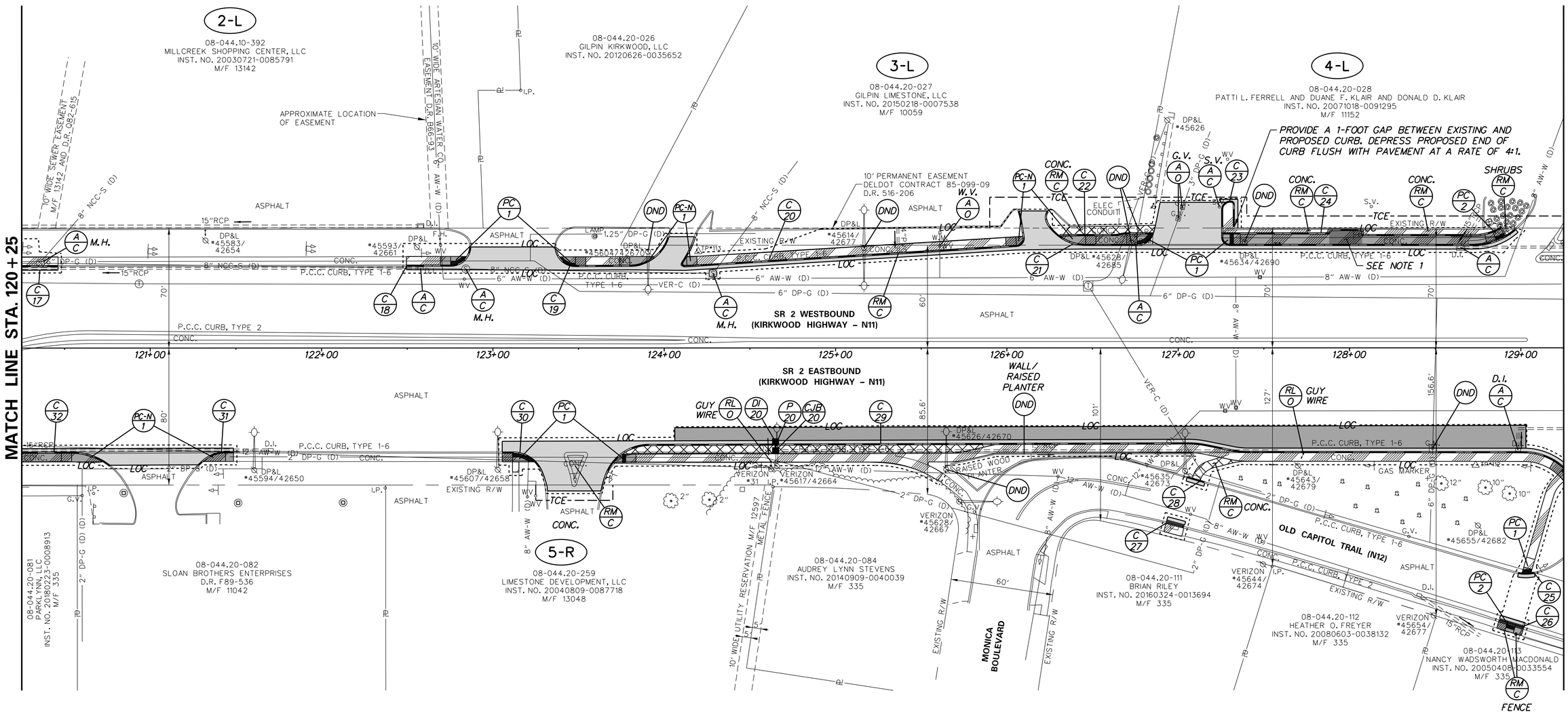
CONSTRUCTION PLAN

CP-01
SECTION
WRA
SHEET NO.
10

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
17	PCC CURB, TYPE 1-6	21′
18	PCC CURB, TYPE 1-6	44′
19	PCC CURB, TYPE 1-6	81′
20	PCC CURB, TYPE 1-6	238′
21	PCC CURB, TYPE 1-6	78′
22	CURB RETAINING WALL, TYPE 2	55′
23	PCC CURB, TYPE 1-6	219′
24	CURB RETAINING WALL, TYPE 2	174′
25	PCC CURB, TYPE 1-6	10′

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
26	IPCC CURB AND GUTTER, TYPE 2	15′
27	IPCC CURB AND GUTTER, TYPE 2	11′
28	PCC CURB, TYPE 1-6	11′
29	PCC CURB, TYPE 1-6	572′
30	PCC CURB, TYPE 1-6	25′
31	PCC CURB, TYPE 1-6	53′
32	PCC CURB, TYPE 1-6	84′

NOTES:
1. INSTALL 8′ X 19′ BUS STOP PAD. SEE BUS STOP PAD WITH BENCH DETAIL ON SHEET 46.



DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
20	124+65.00	**	34″ x 24″	1	88.46	84.96

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
20	15″ RCP	IV	3′	0.1000	84.96	84.64

CONVERT TO JUNCTION BOX SCHEDULE				
NO.	STATION	OFFSET	T.C. EL.	INV. EL.
20	124+65.00	60.0′ RT.	88.40	84.44

CP-02

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PLAN

SECTION: WRA

SHEET NO. 11

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
33	CURB RETAINING WALL, TYPE 2	316'
34	PCC CURB, TYPE 1-6	330'
35	PCC CURB, TYPE 1-6	24'
36	PCC CURB, TYPE 1-6	20'
37	PCC CURB, TYPE 1-6	99'
38	PCC CURB, TYPE 1-6	230'
40	PCC CURB, TYPE 1-6	65'
41	PCC CURB, TYPE 1-8	28'
42	PCC CURB, TYPE 1-6	242'
43	PCC CURB, TYPE 1-6	17'
121	PCC CURB, TYPE 1-6	100'
122	PCC CURB, TYPE 1-6	86'
124	PCC CURB, TYPE 2	58'

CONVERT TO JUNCTION BOX SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
30	135+85.60	48.9' RT.	72.42	68.34

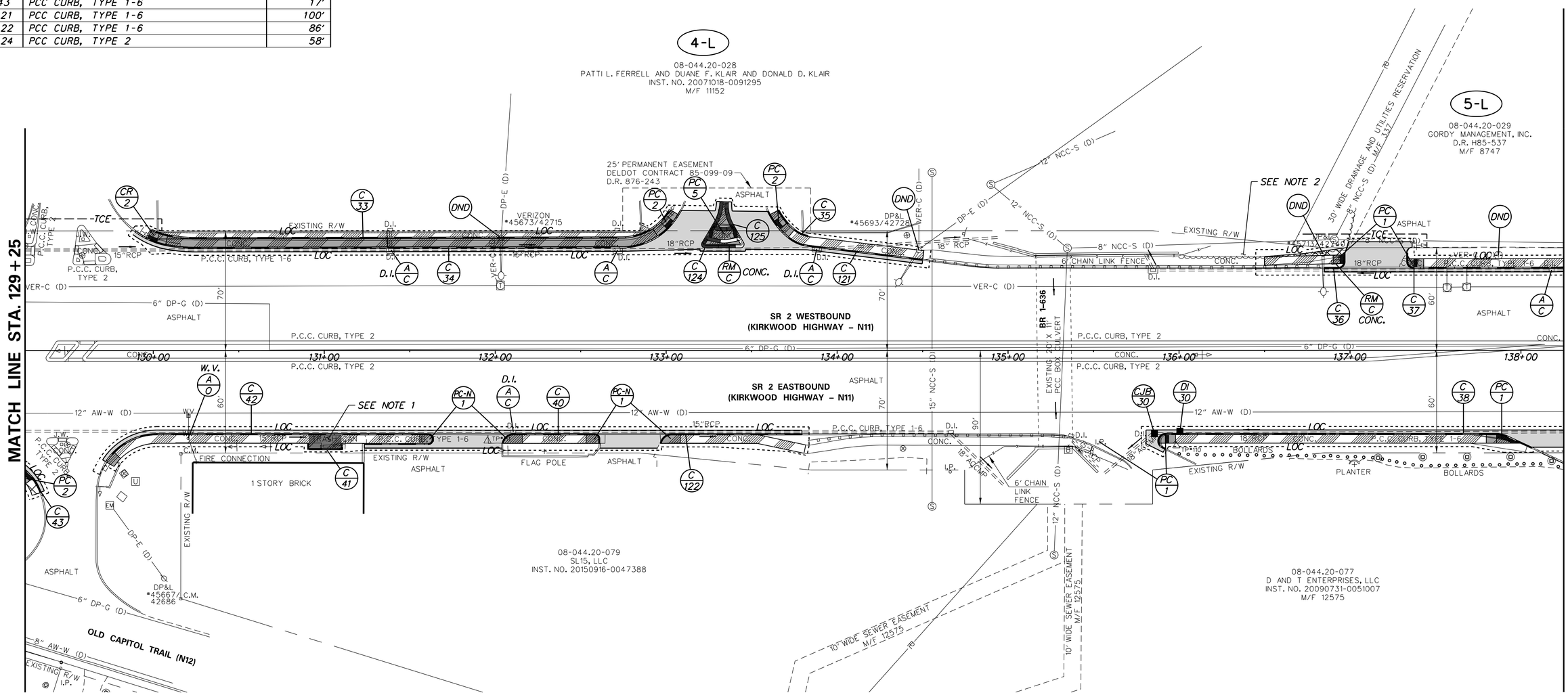
DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
*30	136+00.00	**	48" x 30"	1	72.61	+

* INLET SHALL BE CAST IN PLACE AS A DOGHOUSE INLET IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAIL D-5.

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

\+ INVERT OF DRAINAGE INLET SHALL MATCH THE INVERT OF THE EXISTING STORM SEWER PIPE AT THE DOGHOUSE LOCATION.



NOTES:

1. INSTALL 8' X 19' BUS STOP PAD. SEE BUS STOP PAD WITH BENCH DETAIL ON SHEET 46. INSTALL PCC CURB, TYPE 1-8 ALONG THE BACK EDGE OF THE BUS PAD AS SHOWN.
2. THE CONTRACTOR SHALL CLEAR AND GRUB TREES AND SHRUBS WITHIN 6 FEET OF THE PROPOSED SIDEWALK FROM STA. 136+00 TO STA. 137+00 LT. WORK SHALL BE INCIDENTAL TO ITEM 201000 - CLEARING AND GRUBBING.

CP-03

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PLAN

SECTION: WRA

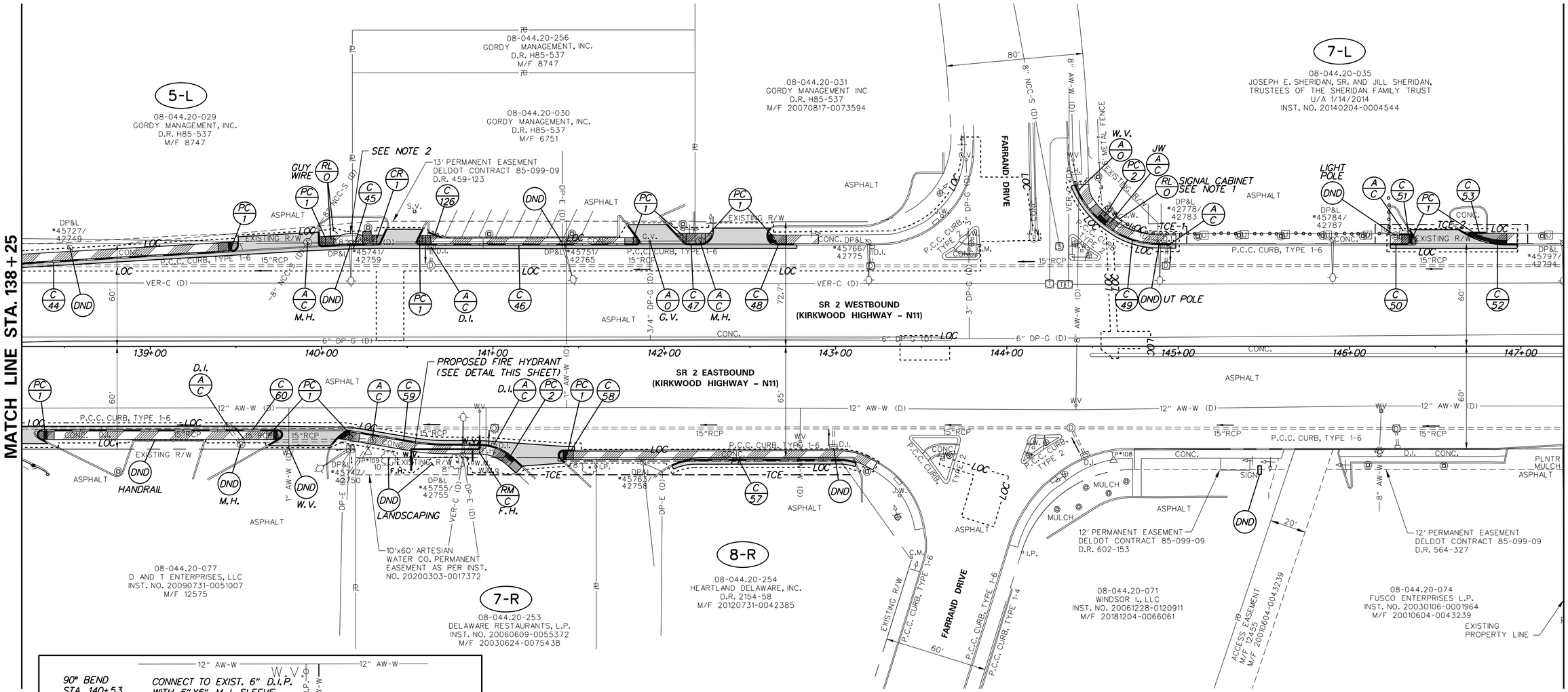
SHEET NO. 12

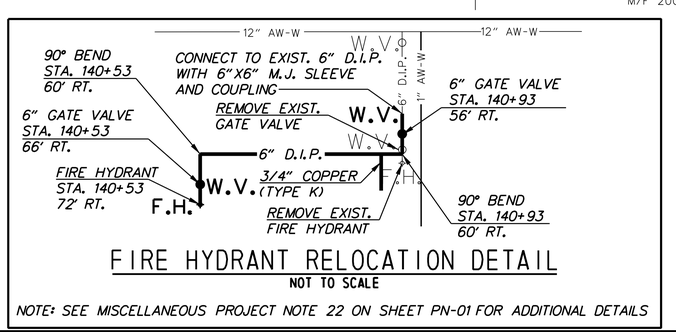
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
44	PCC CURB, TYPE 1-6	131′
45	PCC CURB, TYPE 1-6	210′
46	PCC CURB, TYPE 1-6	154′
47	PCC CURB, TYPE 1-6	39′
48	PCC CURB, TYPE 1-6	26′
49	PCC CURB, TYPE 1-6	74′
50	PCC CURB, TYPE 1-6	25′
51	PCC CURB, TYPE 1-6	7′
52	PCC CURB, TYPE 1-6	37′

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
53	PCC CURB, TYPE 1-6	13′
57	PCC CURB, TYPE 1-6	108′
58	PCC CURB, TYPE 1-6	18′
59	PCC CURB, TYPE 1-6	120′
60	PCC CURB, TYPE 1-6	165′
126	PCC CURB, TYPE 1-6	9′

NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH DELDOT TRAFFIC AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION OF THE CURB, SIDEWALK, AND CURB RAMPS BETWEEN STA. 144+25 AND STA. 145+00 LT. THE CONTRACTOR SHALL NOT CONSTRUCT PROPOSED FEATURES IN THIS AREA UNTIL THE EXISTING SIGNAL CABINET IS REMOVED AND NEW SIGNAL CABINET IS INSTALLED BY DELDOT TRAFFIC. REFER TO SHEET 71 FOR LOCATION OF THE PROPOSED SIGNAL CABINET.
2. THE CONTRACTOR SHALL CONSTRUCT SIDEWALK TO PROVIDE A MINIMUM 5′ PAR ADJACENT TO THE EXISTING UTILITY POLE.





FIRE HYDRANT RELOCATION DETAIL

NOT TO SCALE

NOTE: SEE MISCELLANEOUS PROJECT NOTE 22 ON SHEET PN-01 FOR ADDITIONAL DETAILS

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PLAN

CP-04
SECTION
WRA
SHEET NO.
13

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
7	GR END TREATMENT ATTENUATOR, TYPE 1	153+79.47	48.4' RT.	50'
8	GALV. STEEL BEAM GR, TYPE 1-31	154+29.47	48.4' RT.	112.5
9	END ANCHORAGE 31	155+41.97	48.4' RT.	12.5'

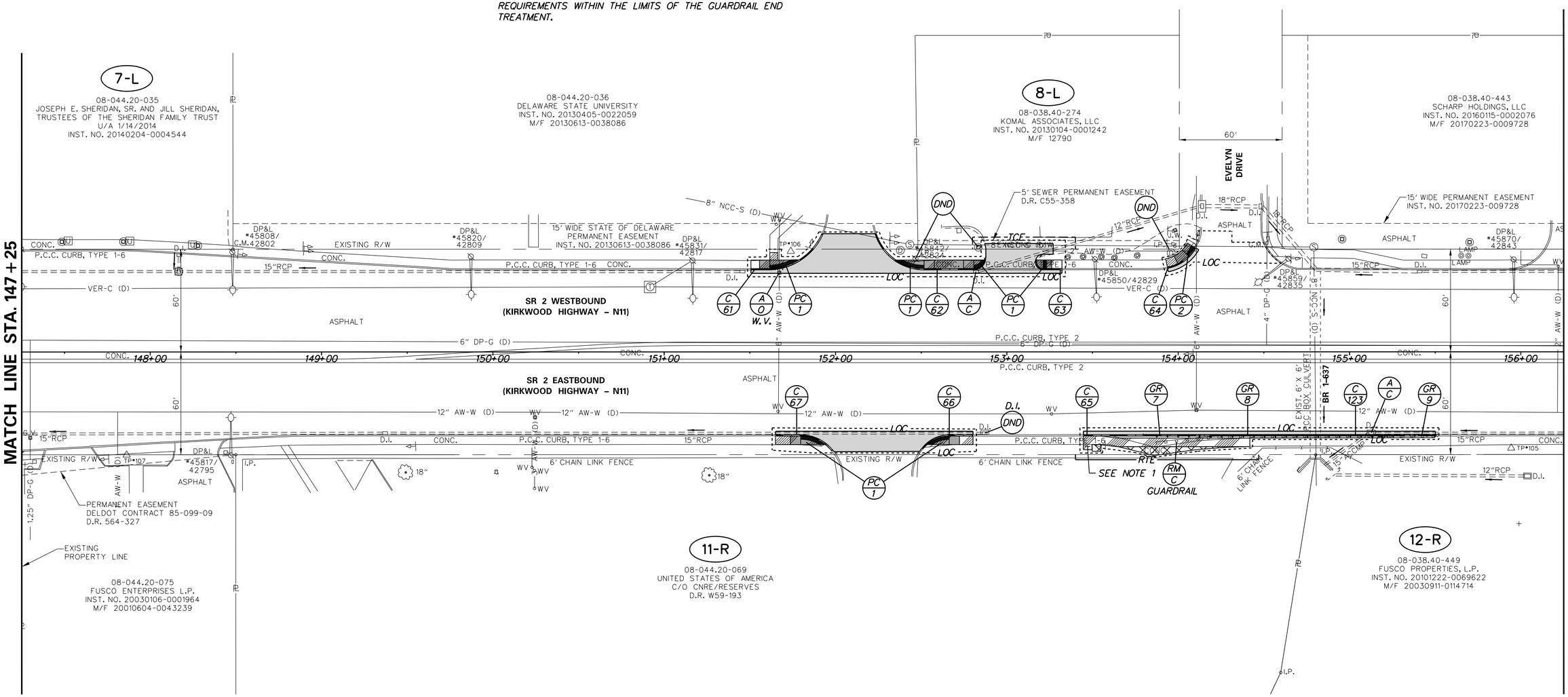
CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
61	PCC CURB, TYPE 1-6	51'
62	PCC CURB, TYPE 1-6	78'
63	PCC CURB, TYPE 1-6	19'
64	PCC CURB, TYPE 1-6	21'
65	PCC CURB, TYPE 1-6	5'
66	PCC CURB, TYPE 1-6	32'
67	PCC CURB, TYPE 1-6	36'
*123	PCC CURB, TYPE 1-4	200'

* SEE STANDARD CONSTRUCTION DETAILS FOR DEPRESSED CURB REQUIREMENTS WITHIN THE LIMITS OF THE GUARDRAIL END TREATMENT.

NOTES:

1. INSTALL 5' X 8' BUS STOP PAD, TYPE 1 IN ACCORDANCE WITH STANDARD CONSTRUCTION DETAIL M-9.
2. WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR, OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PLAN

CP-05

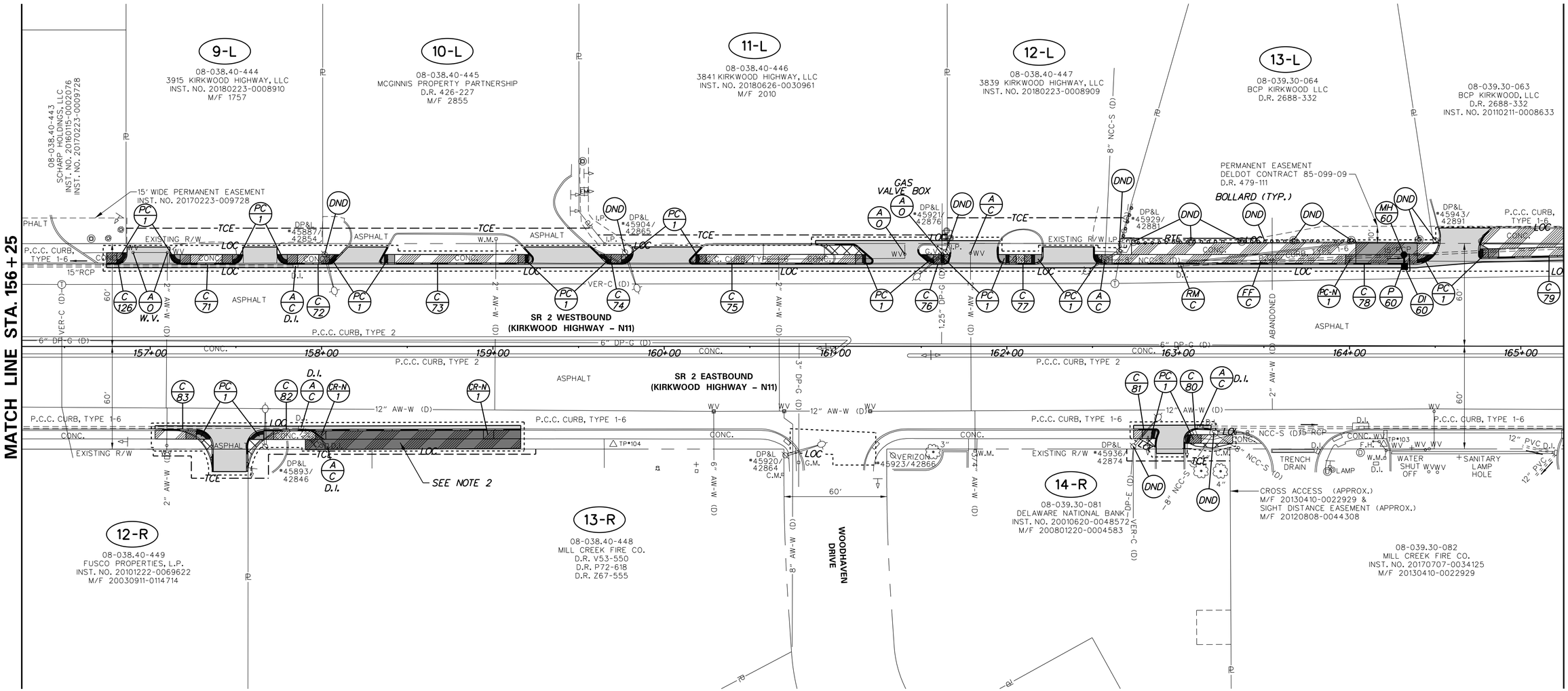
SECTION	SHEET NO.
WRA	14

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
126	PCC CURB, TYPE 1-6	16′
71	PCC CURB, TYPE 1-6	49′
72	PCC CURB, TYPE 1-6	49′
73	PCC CURB, TYPE 1-6	111′
74	PCC CURB, TYPE 1-6	35′
75	PCC CURB, TYPE 1-6	158′
76	PCC CURB, TYPE 1-6	29′

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
77	PCC CURB, TYPE 1-6	43′
78	PCC CURB, TYPE 1-6	220′
79	PCC CURB, TYPE 1-6	67′
80	PCC CURB, TYPE 1-6	27′
81	PCC CURB, TYPE 1-6	25′
82	PCC CURB, TYPE 1-6	180′
83	PCC CURB, TYPE 1-6	54′

NOTES:

1. WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR, OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.
2. RE-CONSTRUCT P.C.C. DRIVEWAY APRON WITH 8" P.C.C. PAVEMENT - CROSS SLOPE WITHIN THE PAR SHALL NOT EXCEED 2%.



DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
60	164+32.06	**	34″ x 24″	1	100.43	97.10

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
60	15″ RCP	III	5′	0.1000	97.10	96.60

MANHOLE SCHEDULE						
NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INV. EL.
*60	164+31.76	53.4′ LT.	48″ x 30″	100.90	+

* MANHOLE SHALL BE CAST IN PLACE AS A DOGHOUSE MANHOLE IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAIL D-5.

+ INVERT OF MANHOLE SHALL BE THE INVERT OF THE STORM SEWER PIPE AT THE DOGHOUSE LOCATION.

CP-06

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PLAN

SECTION: WRA

SHEET NO. 15

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
84	PCC CURB, TYPE 1-6	111'
85	PCC CURB, TYPE 1-6	244'
86	PCC CURB, TYPE 1-6	15'
87	PCC CURB, TYPE 1-6	184'
88	PCC CURB, TYPE 1-6	156'
89	PCC CURB, TYPE 1-6	67'
90	PCC CURB, TYPE 1-6	220'
91	PCC CURB, TYPE 1-6	3'
92	PCC CURB, TYPE 1-6	41'
93	PCC CURB, TYPE 1-6	247'
94	PCC CURB, TYPE 1-6	236'
95	PCC CURB, TYPE 1-6	92'
96	PCC CURB, TYPE 1-6	141'
97	PCC CURB, TYPE 1-6	87'
98	PCC CURB, TYPE 1-6	68'
99	PCC CURB, TYPE 1-6	115'
100	PCC CURB, TYPE 1-6	134'
101	PCC CURB, TYPE 1-6	104'

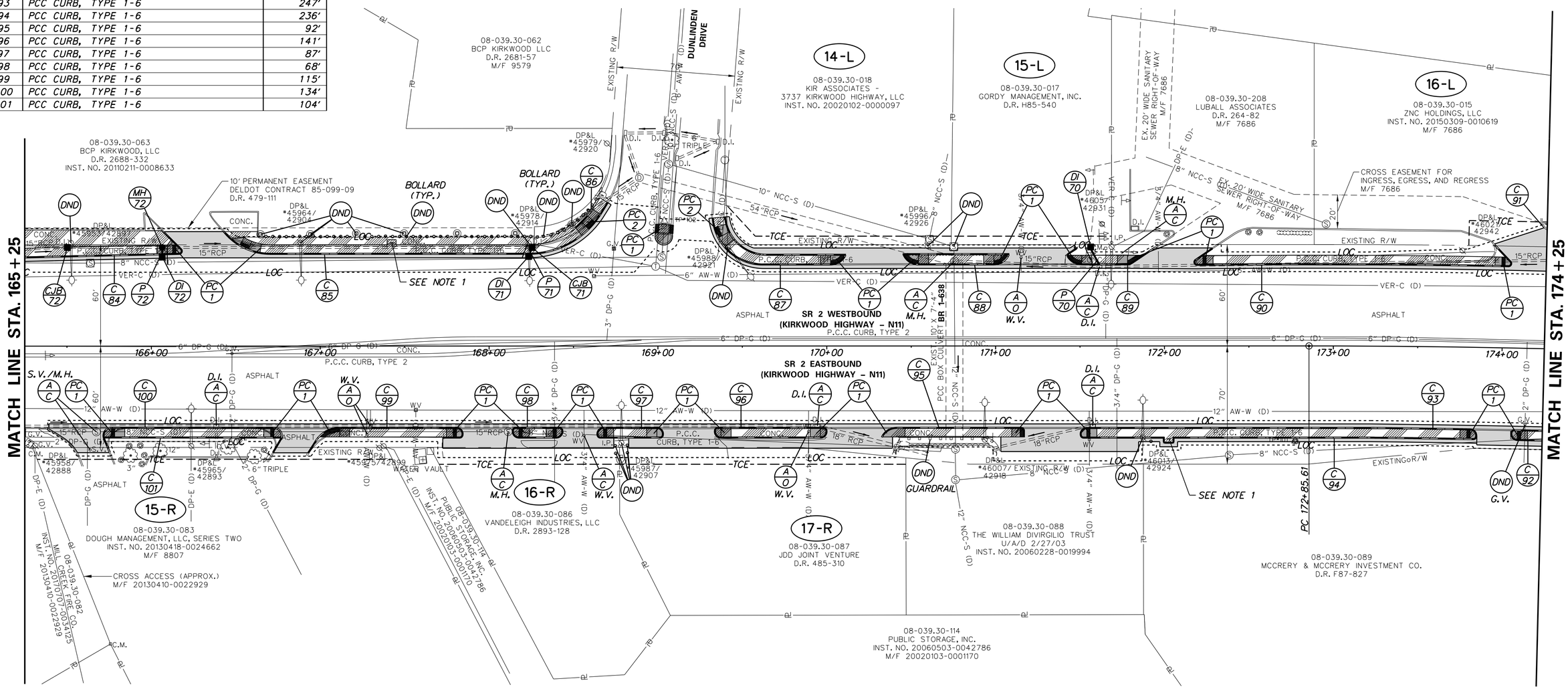
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
70	15" RCP	III	11'	0.1000	82.41	81.31
71	15" RCP	III	4'	0.1000	87.47	87.07
72	15" RCP	III	4'	0.1000	94.32	93.92

CONVERT TO JUNCTION BOX SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
71	168+25.43	58.3' LT.	90.87	86.87
72	165+50.24	58.5' LT.	97.72	93.72

NOTES:
1. INSTALL 5' X 8' BUS STOP PAD, TYPE 1 IN ACCORDANCE WITH STANDARD CONSTRUCTION DETAIL M-9.



MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INV. EL.
*72	166+06.41	58.4' LT.	48" x 30"	96.85	+

* MANHOLE SHALL BE CAST IN PLACE AS A DOGHOUSE MANHOLE IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAIL D-5.

\+ INVERT OF MANHOLE SHALL BE THE INVERT OF THE STORM SEWER PIPE AT THE DOGHOUSE LOCATION.

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
70	171+56.30	**	34" x 24"	1	85.80	82.21
71	168+23.42	**	34" x 24"	1	91.00	87.47
72	166+06.41	**	34" x 24"	1	96.37	94.32

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

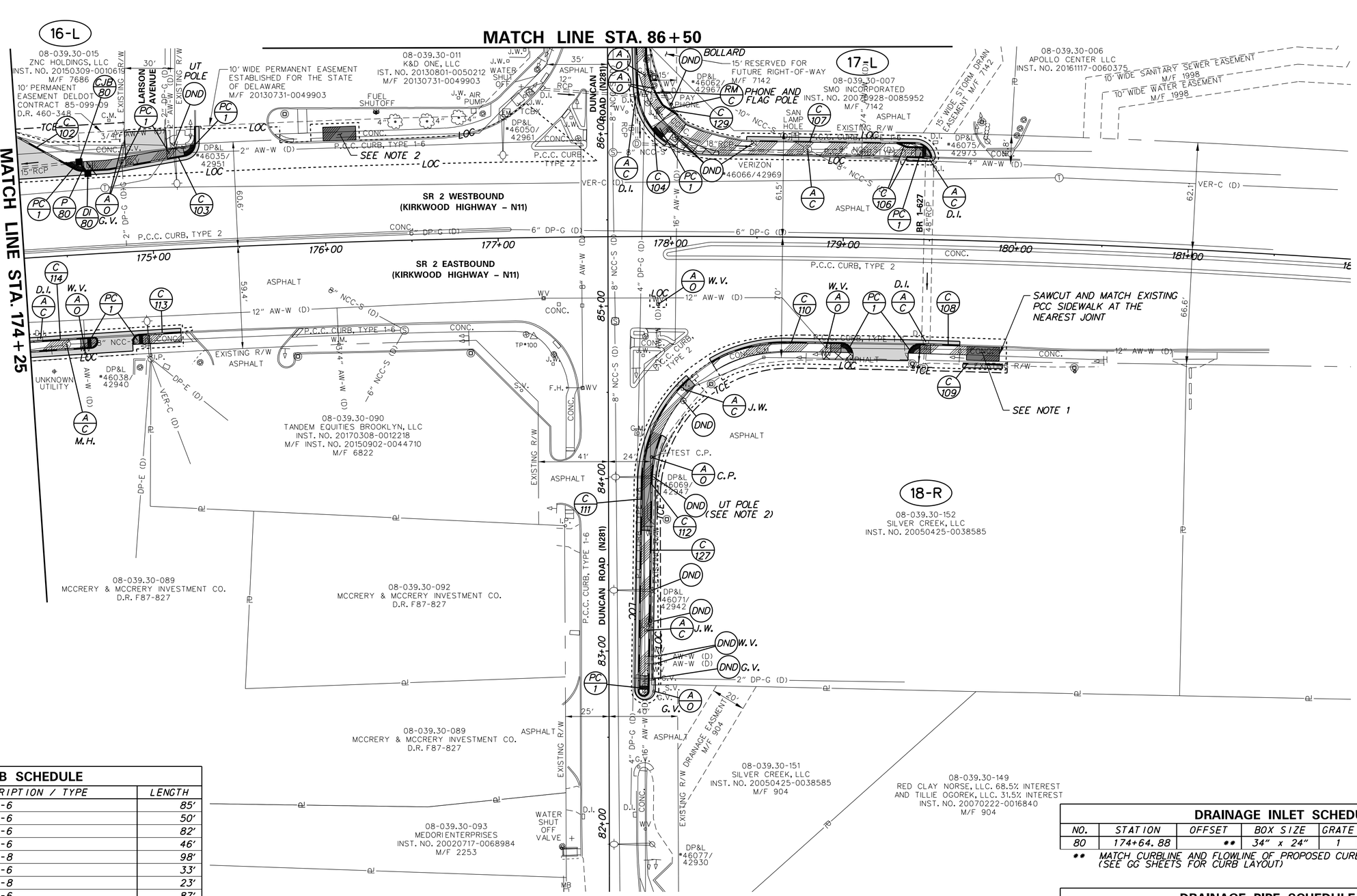
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PLAN

CP-07

SECTION: WRA

SHEET NO. 16



CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
102	PCC CURB, TYPE 1-6	85'
103	PCC CURB, TYPE 1-6	50'
104	PCC CURB, TYPE 1-6	82'
106	PCC CURB, TYPE 1-6	46'
*107	PCC CURB, TYPE 1-8	98'
108	PCC CURB, TYPE 1-6	33'
109	PCC CURB, TYPE 1-8	23'
110	PCC CURB, TYPE 1-6	87'
111	PCC CURB, TYPE 1-6	201'
112	CURB RETAINING WALL, TYPE 2	57'
113	PCC CURB, TYPE 1-6	32'
114	PCC CURB, TYPE 1-6	83'
127	PCC CURB, TYPE 1-6	94'
129	PCC CURB, TYPE 1-8	46'

* SEE DETAIL E ON SHEET 42

NOTES:

1. INSTALL 8' X 19' BUS STOP PAD. SEE BUS STOP PAD WITH BENCH DETAIL ON SHEET 46. INSTALL PCC CURB, TYPE 1-8 ALONG THE EDGE OF THE EXISTING PARKING LOT AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE BUSINESS OWNERS AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIIVTIES THAT MAY IMPACT PARKING.
2. THE CONTRACTOR SHALL NOTIFY DELMARVA POWER PRIOR TO BEGINNING WALL EXCAVATION TO DETERMINE IF THE EXISTING UTILITY POLE NEEDS TEMPORARY SUPPORT DURING CONSTRUCTION. DELMARVA POWER WILL BE RESPONSIBLE FOR INSTALLING AND REMOVING ANY TEMPORARY SUPPORT.

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
80	174+64.88	**	34" x 24"	1	88.60	83.87

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
80	15" RCP	III	6'	0.1000	83.87	83.27

CONVERT TO JUNCTION BOX SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INV. EL.
80	174+60.30	53.75' LT.	87.82	83.07

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PLAN

CP-08

SECTION WRA

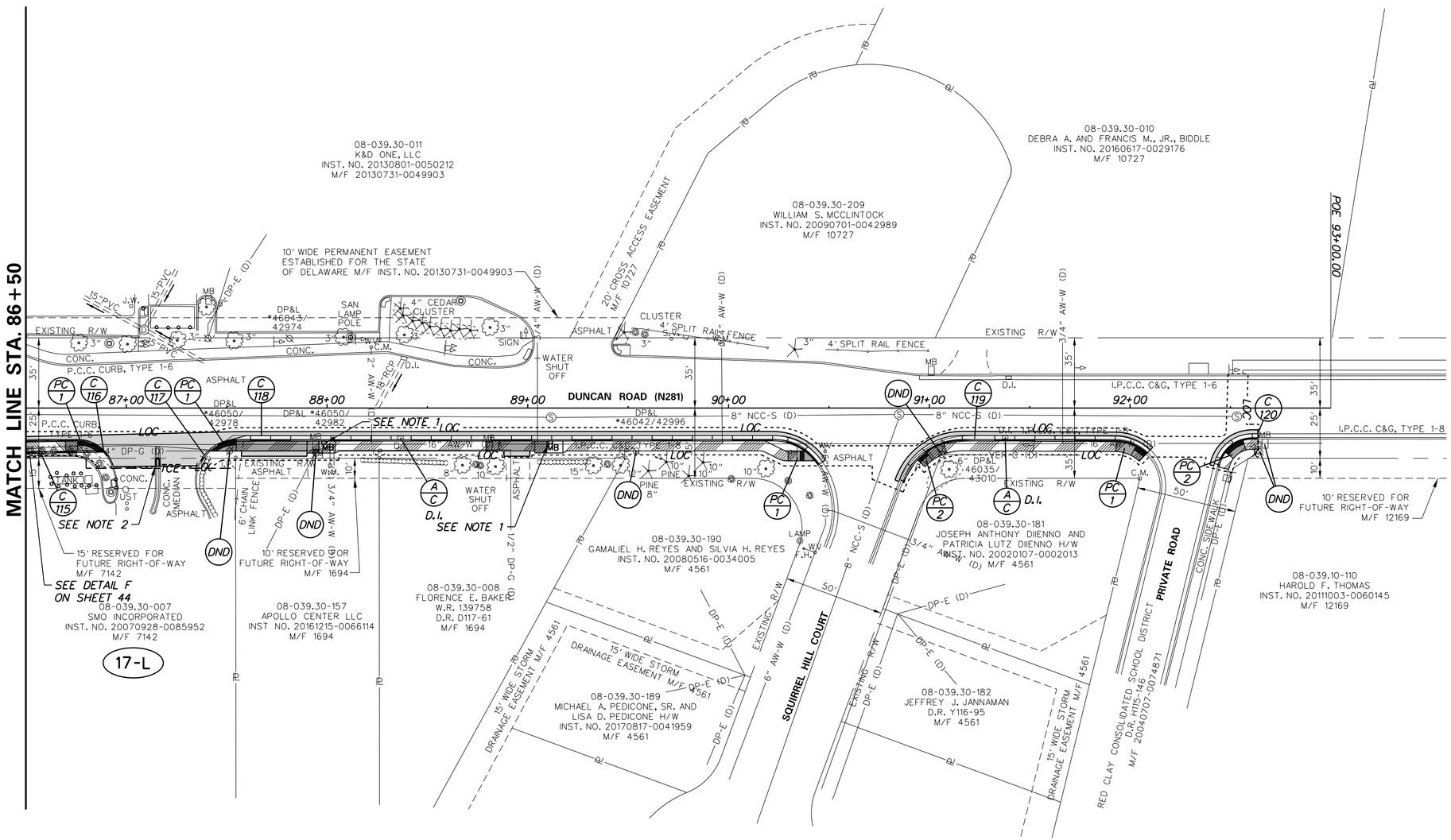
SHEET NO. 17

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
*115	PCC CURB, TYPE 1-8	39'
116	PCC CURB, TYPE 1-6	44'
117	PCC CURB, TYPE 1-6	27'
118	IPCC CURB AND GUTTER, TYPE 1-8	292'
119	IPCC CURB AND GUTTER, TYPE 1-8	137'
120	IPCC CURB AND GUTTER, TYPE 1-8	30'

* SEE DETAIL F ON SHEET 44

NOTES:

1. MAILBOXES PLACED IN AREAS WITHOUT A GRASS STRIP SHALL BE ROTATED 90 DEGREES WITH THE MAILBOX OPENING FACING ON-COMING TRAFFIC. SEE SHEET 46 FOR MAILBOX RELOCATION DETAILS.
2. CONTRACTOR SHALL SAW CUT AND REMOVE PORTION OF EXISTING P.C.C. MEDIAN AS SHOWN ON THE PLANS. CONTRACTOR SHALL POUR NEW ISLAND NOSE MONOLITHICALLY WITH P.C.C., CLASS B TO MATCH WIDTH OF EXISTING MEDIAN. PAYMENT SHALL BE INCIDENTAL TO ITEM 701014.



ADDENDA / REVISIONS	

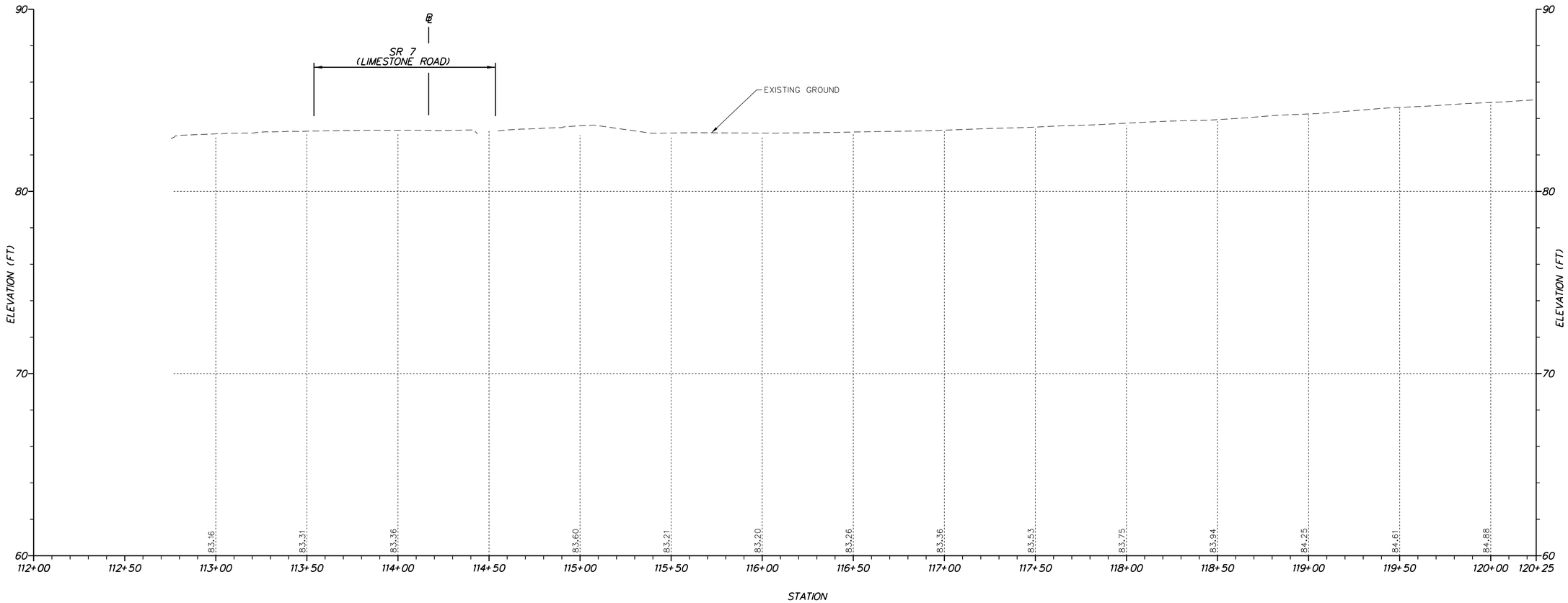
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PLAN

CP-09
SECTION
WRA
SHEET NO.
18



VERTICAL SCALE FEET 9 6 3 0

PF-01

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

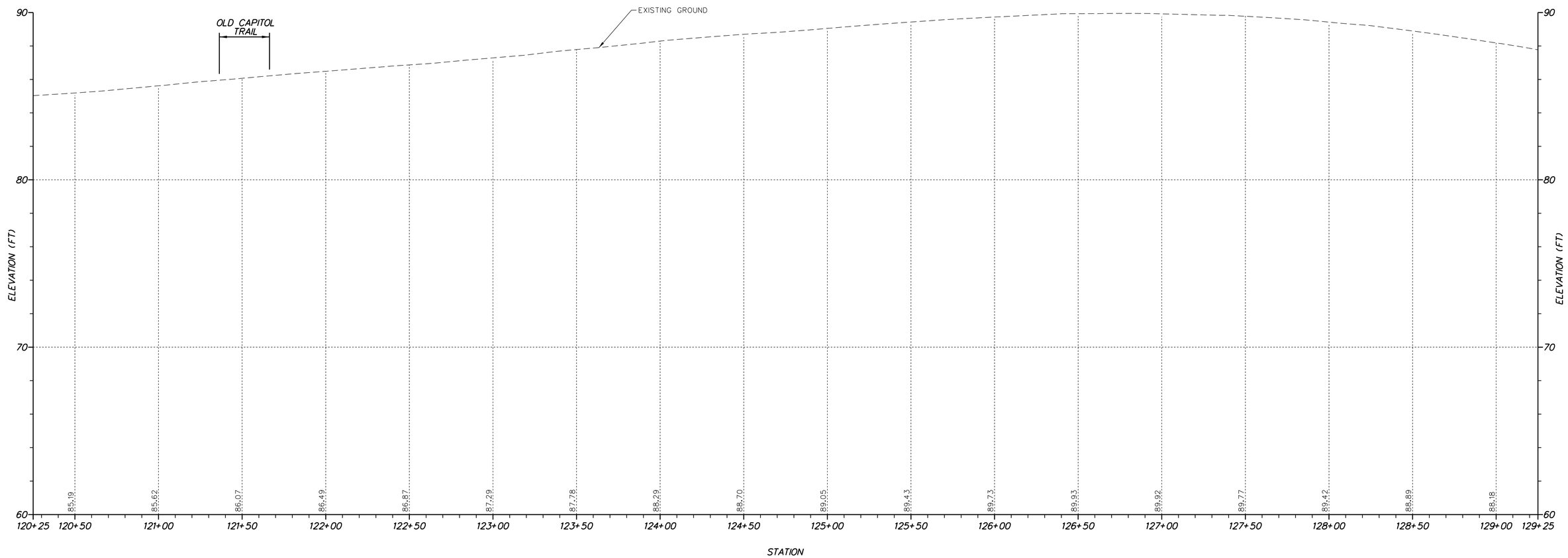
SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION: WRA

SHEET NO. 19



VERTICAL SCALE FEET 9 6 3 0

PF-02

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

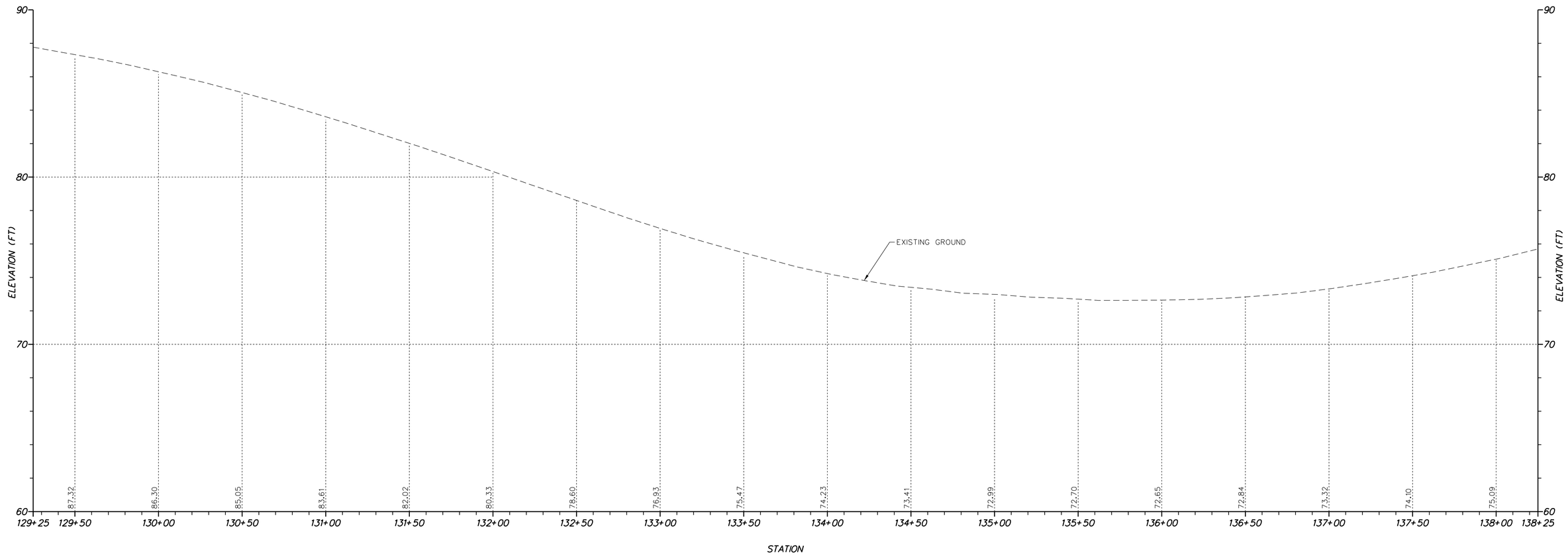
SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION: WRA

SHEET NO. 20



VERTICAL SCALE FEET 9 6 3 0

PF-03

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

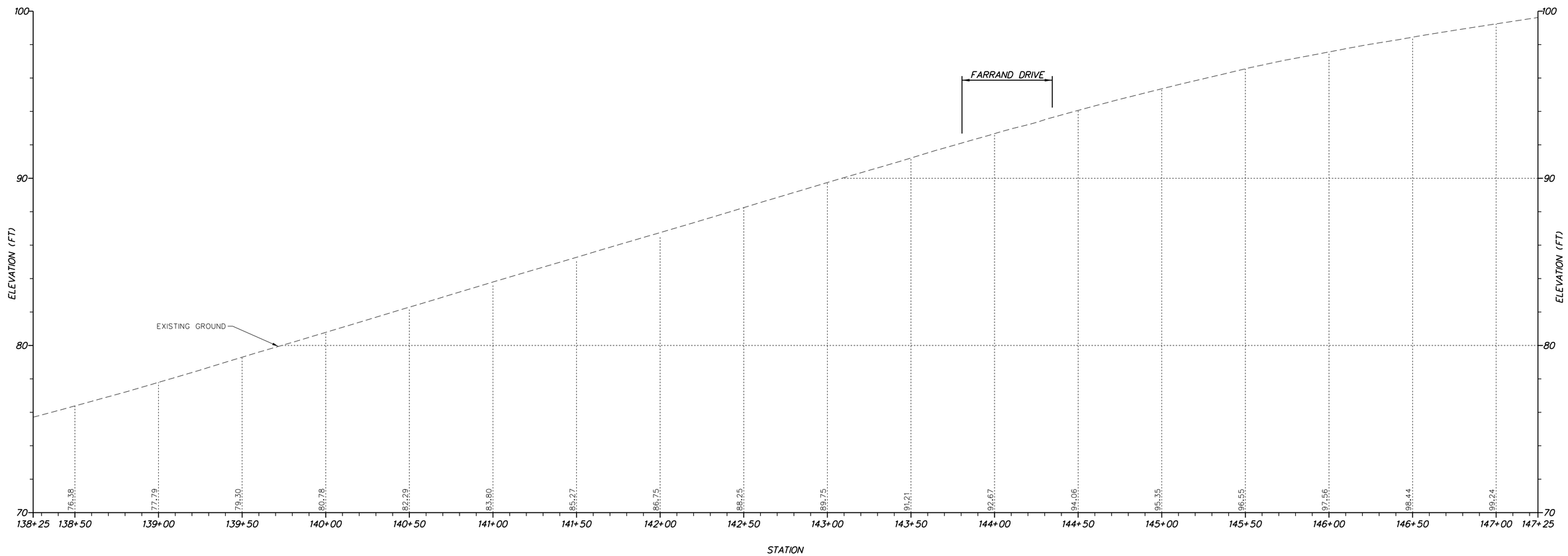
SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION: WRA

SHEET NO. 21



SR 2 (KIRKWOOD HIGHWAY)

VERTICAL SCALE FEET 9 6 3 0

PF-04

ADDENDA / REVISIONS	

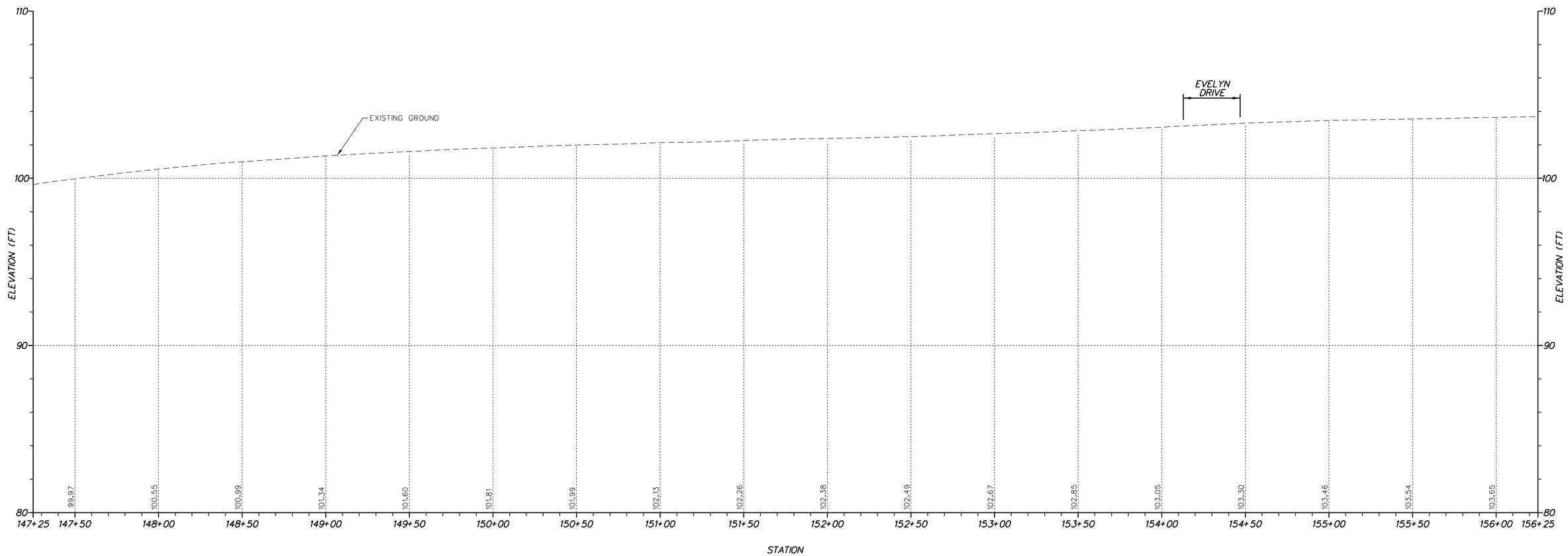
SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

PROFILE

SECTION
WRA
SHEET NO.
22



SR 2 (KIRKWOOD HIGHWAY)

VERTICAL SCALE FEET 9 6 3 0

PF-05

ADDENDA / REVISIONS	

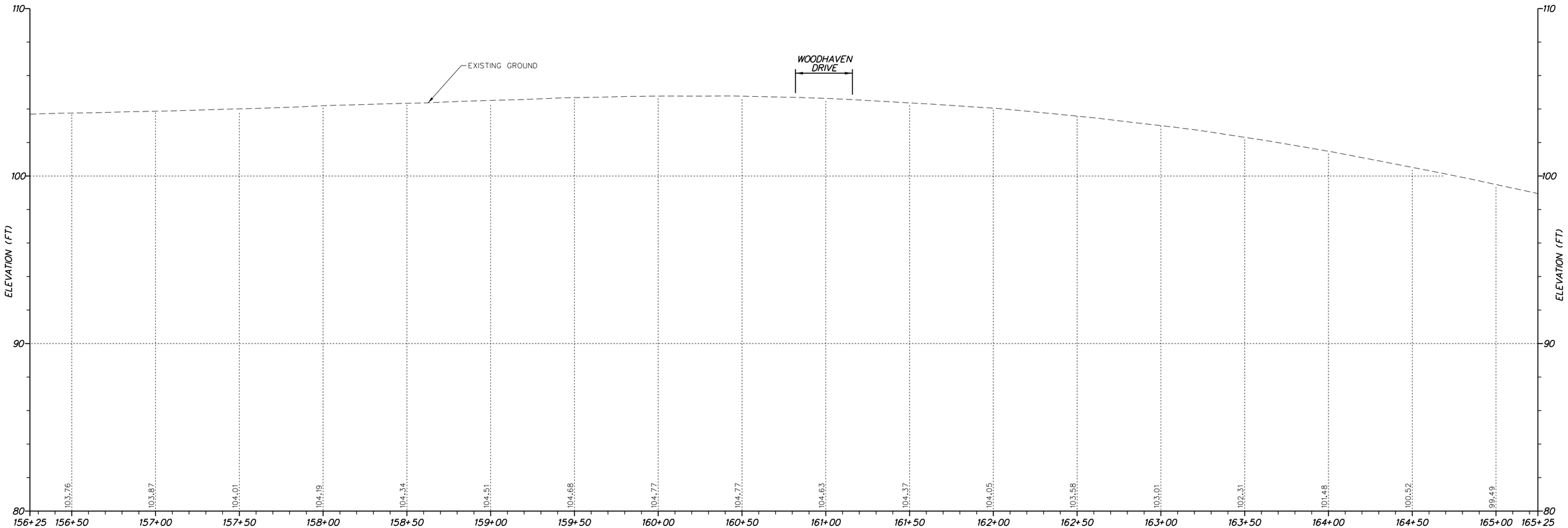
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION
WRA
SHEET NO.
23



SR 2 (KIRKWOOD HIGHWAY)

VERTICAL SCALE FEET 9 6 3 0

PF-06

ADDENDA / REVISIONS	

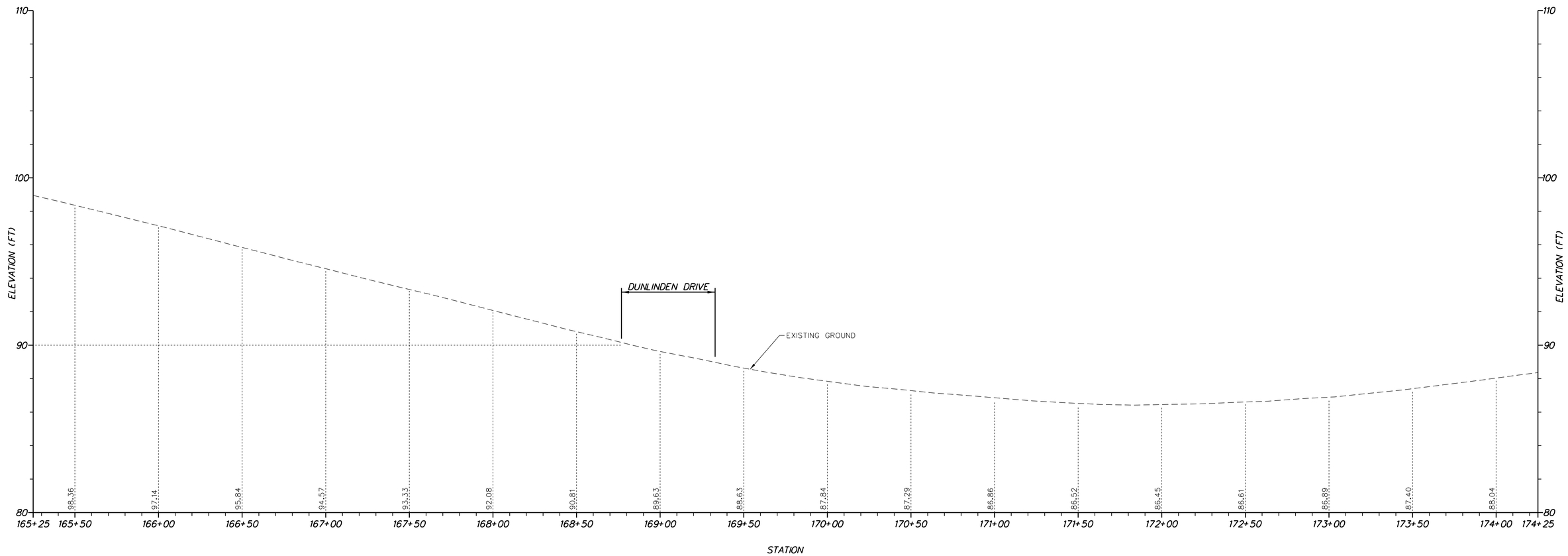
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION
WRA
SHEET NO.
24



VERTICAL SCALE FEET 9 6 3 0

PF-07

ADDENDA / REVISIONS	

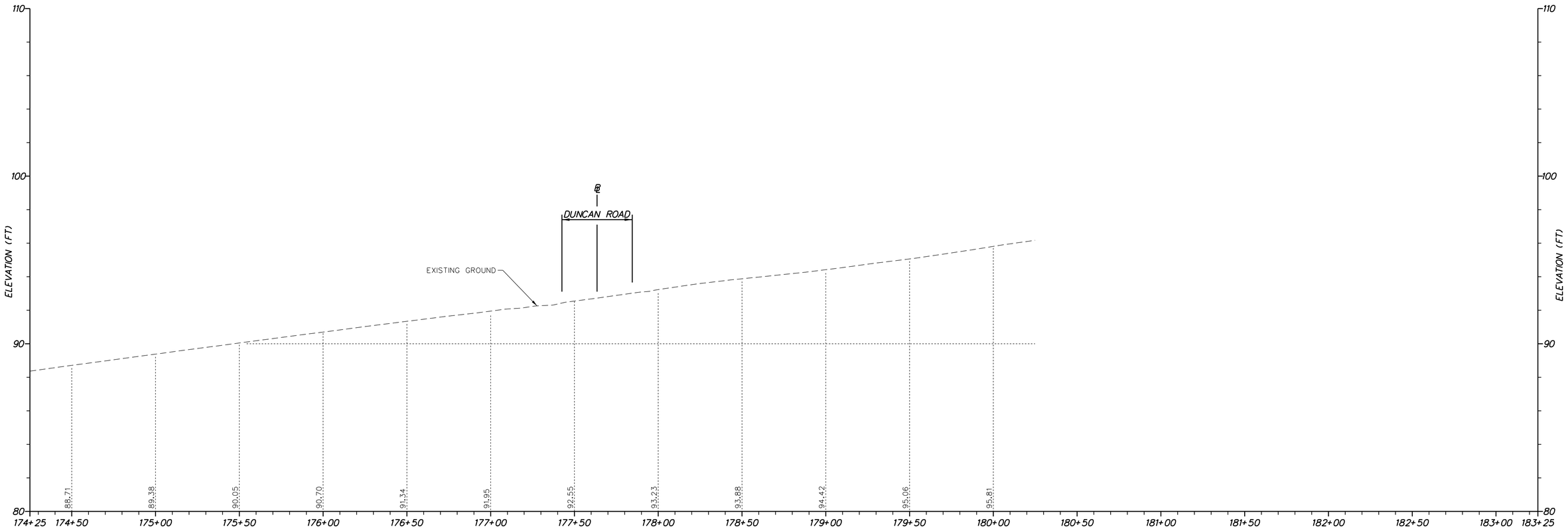
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

PROFILE

SECTION
WRA
SHEET NO.
25



VERTICAL SCALE FEET 9 6 3 0

PF-08

ADDENDA / REVISIONS	

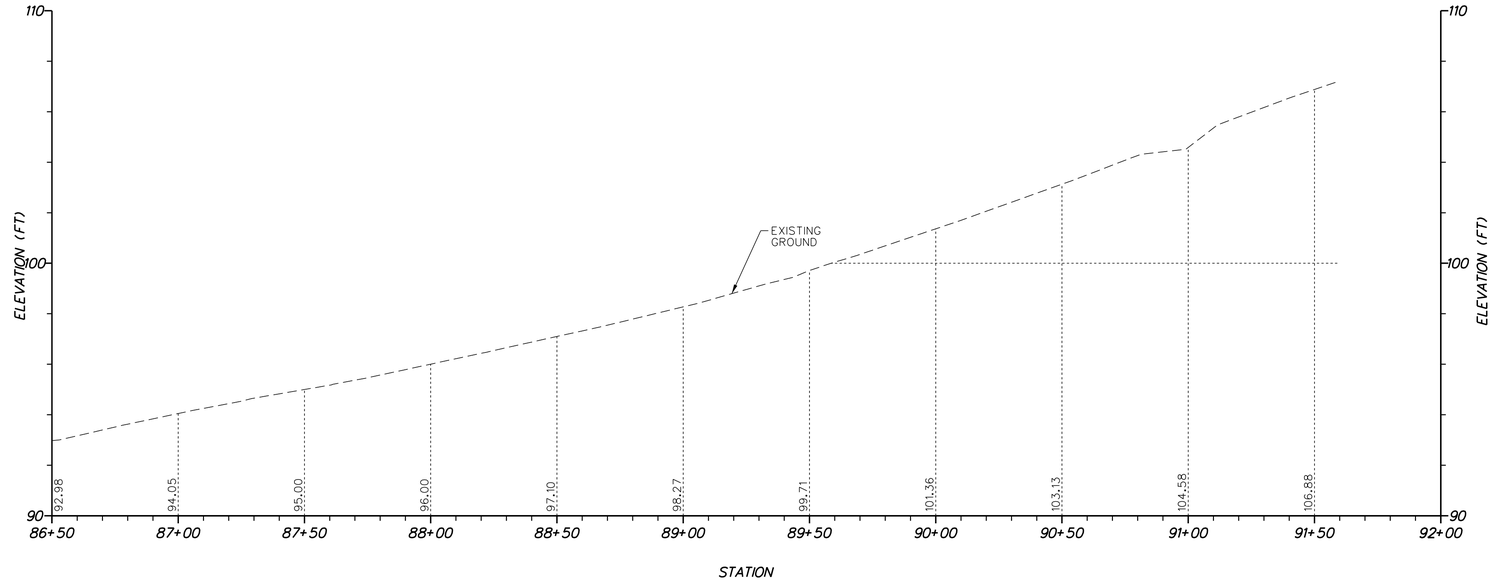
SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

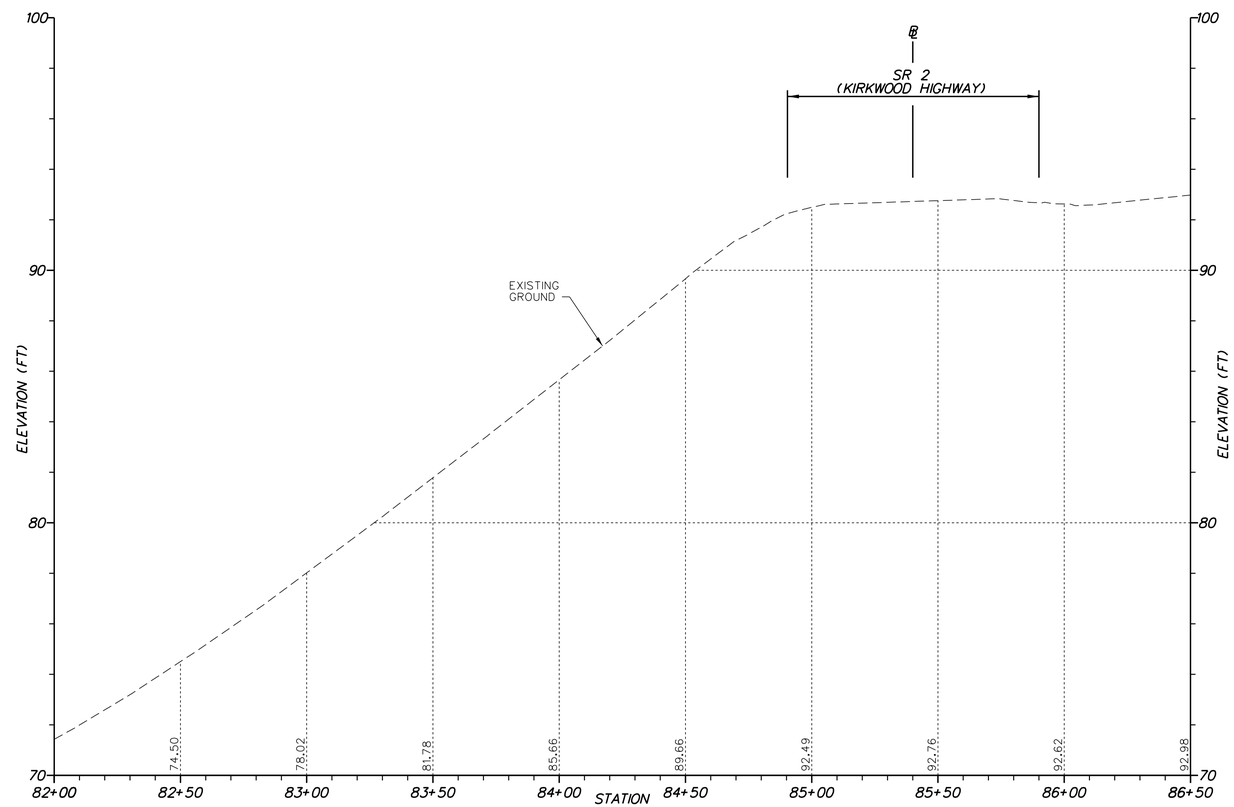
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

PROFILE

SECTION
WRA
SHEET NO.
26



DUNCAN ROAD



DUNCAN ROAD

VERTICAL SCALE FEET 9 6 3 0

PF-09

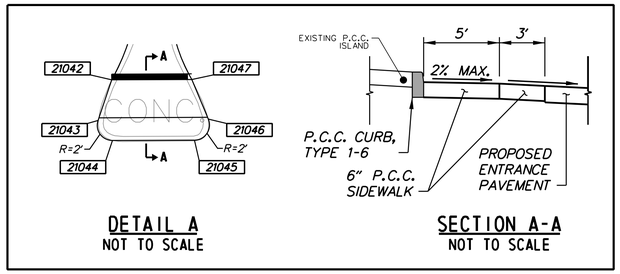
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	PROFILE	SECTION WRA
				COUNTY NEW CASTLE	DESIGNED BY: S. BEALL		SHEET NO. 27
					CHECKED BY: T. OLIVER		

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
21000	114+56.19	-80.83'	628017.1423	588228.8137
21002	114+59.72	-78.15'	628016.8700	588233.2391
21003	114+74.82	-69.42'	628017.9471	588250.6449
21004	114+77.82	-76.04'	628025.1252	588249.4858
21005	114+64.26	-75.10'	628016.8386	588238.7031
21006	114+64.13	-84.29'	628024.4153	588233.5146
21011	115+43.48	-65.11'	628052.3578	588310.2178
21012	115+43.40	-58.96'	628047.1929	588313.5593
21013	115+54.40	-58.83'	628053.1681	588322.7950
21014	115+66.59	-64.83'	628064.9123	588329.6230
21015	115+69.58	-73.83'	628074.0628	588327.1410
21016	115+69.58	-81.60'	628080.5391	588322.8384
21017	115+68.00	-85.00'	628082.4885	588319.6349
21018	116+04.99	-85.00'	628102.9611	588350.4497
21019	116+05.09	-81.13'	628099.7892	588352.6761
21020	116+11.81	-64.97'	628090.0472	588367.2134
21021	116+14.85	-62.27'	628089.4872	588371.2378
21022	116+23.99	-59.26'	628092.0315	588380.5191
21023	116+34.99	-59.29'	628098.1485	588389.6614

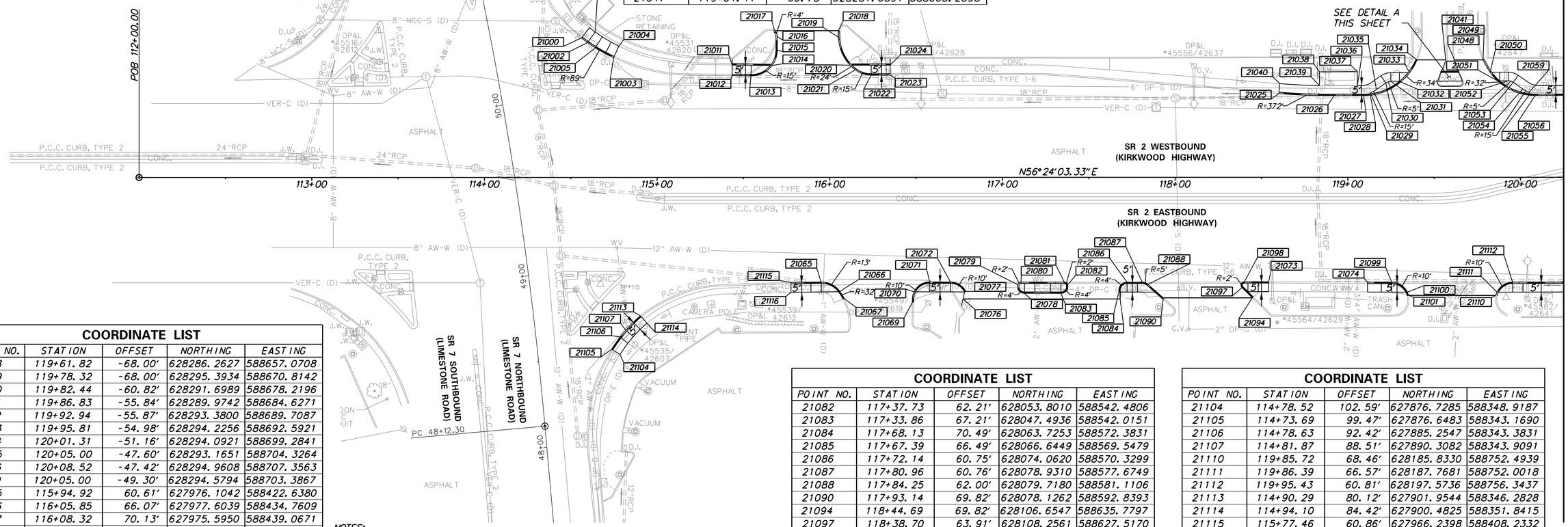
COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
21024	116+34.97	-65.04'	628102.9274	588386.4639
21025	118+60.09	-48.56'	628213.7732	588583.0948
21026	118+92.12	-47.30'	628230.4489	588610.4707
21027	119+09.11	-47.36'	628239.9061	588624.5904
21028	119+13.00	-47.60'	628242.2560	588627.6957
21029	119+13.00	-48.96'	628243.3881	588626.9435
21030	119+22.04	-54.68'	628253.1532	588631.3101
21031	119+24.90	-55.59'	628255.4988	588633.1881
21032	119+29.95	-55.61'	628258.3076	588637.3789
21033	119+35.84	-60.64'	628265.7503	588639.5030
21034	119+40.08	-68.00'	628274.2322	588638.9629
21035	119+16.57	-50.82'	628246.9128	588628.8900
21036	119+05.58	-53.10'	628242.7297	588618.4736
21037	119+05.55	-61.20'	628249.4605	588613.9653
21038	118+83.55	-61.12'	628237.2177	588595.6866
21039	118+83.58	-53.12'	628230.5690	588600.1398
21040	118+60.56	-54.29'	628218.8080	588580.3176
21041	119+56.69	-68.00'	628283.4217	588652.7946
21042	119+53.84	-60.71'	628275.7738	588654.4586
21043	119+52.03	-55.35'	628270.3092	588655.9222
21044	119+53.94	-52.71'	628269.1652	588658.9676
21045	119+64.76	-52.75'	628275.1888	588667.9550
21046	119+66.59	-55.52'	628278.5136	588667.9520
21047	119+64.41	-60.75'	628281.6591	588663.2398



DETAIL A
NOT TO SCALE

SECTION A-A
NOT TO SCALE



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
21048	119+61.82	-68.00'	628286.2627	588657.0708
21049	119+78.32	-68.00'	628295.3934	588670.8142
21050	119+82.44	-60.82'	628291.6989	588678.2196
21051	119+86.83	-55.84'	628289.9742	588684.6271
21052	119+92.94	-55.87'	628293.3800	588689.7087
21053	119+95.81	-54.98'	628294.2256	588692.5921
21054	120+01.31	-51.16'	628294.0921	588699.2841
21055	120+05.00	-47.60'	628293.1651	588704.3264
21056	120+08.52	-47.42'	628294.9608	588707.3563
21059	120+05.00	-49.30'	628294.5794	588703.3867
21065	115+94.92	60.61'	627976.1042	588422.6380
21066	116+05.85	66.07'	627977.6039	588434.7609
21067	116+08.32	70.13'	627975.5950	588439.0671
21068	48+57.70	54.07'	627887.8502	588348.4437
21069	116+47.81	72.44'	627995.5186	588473.2365
21070	116+48.79	66.28'	628001.1961	588470.6483
21071	116+57.87	60.56'	628010.9823	588475.0439
21072	116+69.87	60.61'	628017.5833	588485.0651
21073	118+49.19	60.67'	628116.7667	588634.4616
21074	119+21.80	60.76'	628156.8638	588694.9916
21076	116+77.14	70.40'	628013.4472	588496.5374
21077	116+78.73	66.05'	628017.9551	588495.4559
21078	117+12.71	67.19'	628035.8076	588524.3865
21079	117+08.84	62.18'	628037.8352	588518.3958
21080	117+10.78	60.69'	628040.1554	588519.1811
21081	117+35.80	60.71'	628053.9813	588540.0377

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
21082	117+37.73	62.21'	628053.8010	588542.4806
21083	117+33.86	67.21'	628047.4936	588542.0151
21084	117+68.13	70.49'	628063.7253	588572.3831
21085	117+67.39	66.49'	628066.6449	588569.5479
21086	117+72.14	60.75'	628074.0620	588570.3299
21087	117+80.96	60.76'	628078.9310	588577.6749
21088	117+84.25	62.00'	628079.7180	588581.1106
21090	117+93.14	69.82'	628078.1262	588592.8393
21094	118+44.69	69.82'	628106.6547	588635.7797
21097	118+38.70	63.91'	628108.2561	588627.5170
21098	118+40.11	60.49'	628111.8890	588626.7962
21099	119+25.42	60.78'	628158.8526	588698.0194
21100	119+34.47	66.55'	628159.0580	588708.7412
21101	119+35.13	68.43'	628157.8547	588710.3346

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
21104	114+78.52	102.59'	627876.7285	588348.9187
21105	114+73.69	99.47'	627876.6483	588343.1690
21106	114+78.63	92.42'	627885.2547	588343.3831
21107	114+81.87	88.51'	627890.3082	588343.9091
21110	119+85.72	68.46'	628185.8330	588752.4939
21111	119+86.39	66.57'	628187.7681	588752.0018
21112	119+95.43	60.81'	628197.5736	588756.3437
21113	114+90.29	80.12'	627901.9544	588346.2828
21114	114+94.10	84.42'	627900.4825	588351.8415
21115	115+77.46	60.86'	627966.2398	588408.2332
21116	115+77.54	66.60'	627961.4957	588411.4821

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

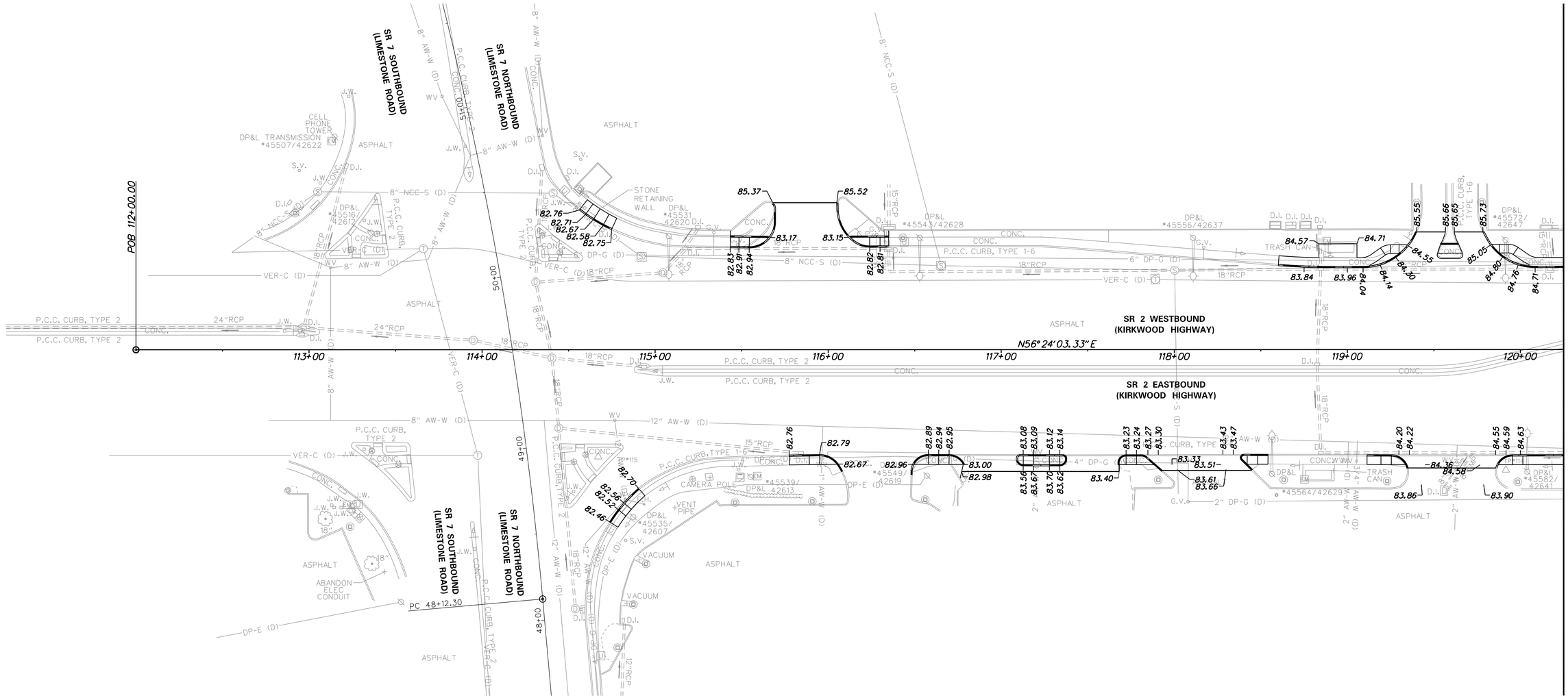
GG-01

SECTION WRA

SHEET NO. 28

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-02
SECTION
WRA
SHEET NO.
29

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
22000	122+49.56	-53.47'	628433.3897	588904.7805
22001	122+49.56	-47.72'	628428.6004	588907.9624
22002	122+75.37	-47.70'	628442.8667	588929.4732
22003	122+85.52	-53.44'	628453.2622	588934.7442
22004	122+87.15	-59.00'	628458.7997	588933.0327
22005	123+36.18	-59.00'	628485.9315	588973.8708
22006	123+38.00	-53.18'	628482.0839	588978.6030
22007	123+48.24	-47.48'	628483.0058	588990.2915
22008	123+79.87	-47.63'	628500.6331	589016.5464
22009	123+95.46	-53.46'	628514.1156	589026.3124
22010	124+02.94	-65.00'	628527.8710	589026.1545
22011	124+17.58	-65.00'	628535.9743	589038.3514
22012	124+12.10	-53.05'	628522.9847	589040.3950
22013	124+10.44	-50.39'	628519.8524	589040.4806
22014	124+12.23	-47.29'	628518.2629	589043.6876
22015	126+07.24	-80.00'	628653.4202	589188.0216
22016	126+08.47	-75.35'	628650.2249	589191.6133

COORDINATE LIST

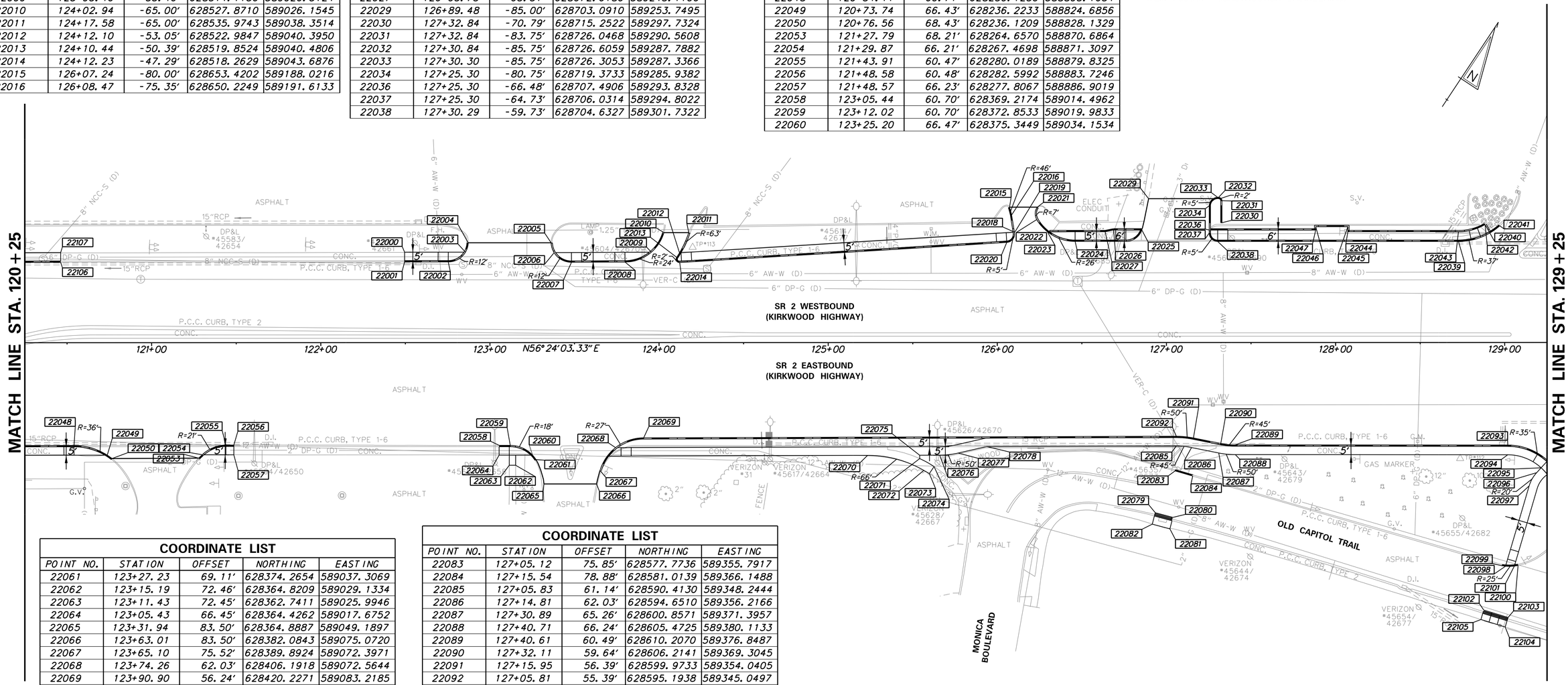
POINT NO.	STATION	OFFSET	NORTHING	EASTING
22018	126+10.11	-65.23'	628642.7045	589198.5838
22019	126+10.16	-64.91'	628642.4642	589198.8065
22020	126+05.60	-59.19'	628635.1769	589198.1656
22021	126+23.64	-80.00'	628662.4974	589201.6844
22022	126+23.35	-72.70'	628656.2554	589205.4820
22023	126+29.59	-65.52'	628653.7238	589214.6479
22024	126+46.00	-59.76'	628658.0127	589231.5051
22025	126+85.45	-66.50'	628685.4525	589260.6351
22026	126+68.75	-66.50'	628676.2171	589246.7232
22027	126+63.75	-65.51'	628672.6186	589243.1106
22029	126+89.48	-85.00'	628703.0910	589253.7495
22030	127+32.84	-70.79'	628715.2522	589297.7324
22031	127+32.84	-83.75'	628726.0468	589290.5608
22032	127+30.84	-85.75'	628726.6059	589287.7882
22033	127+30.30	-85.75'	628726.3053	589287.3366
22034	127+25.30	-80.75'	628719.3733	589285.9382
22036	127+25.30	-66.48'	628707.4906	589293.8328
22037	127+25.30	-64.73'	628706.0314	589294.8022
22038	127+30.29	-59.73'	628704.6327	589301.7322

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
22039	128+72.66	-59.68'	628783.3702	589420.3404
22040	128+91.26	-64.71'	628797.8574	589433.0492
22041	128+97.10	-68.94'	628804.6092	589435.5711
22042	128+88.36	-69.68'	628800.3866	589427.8853
22043	128+72.66	-65.43'	628788.1607	589417.1602
22044	128+07.27	-65.45'	628751.9931	589362.6783
22045	128+07.27	-68.45'	628754.4925	589361.0191
22046	127+88.27	-68.46'	628743.9842	589345.1896
22047	127+88.27	-66.46'	628742.3179	589346.2957
22048	120+54.11	60.71'	628230.1230	588805.1654
22049	120+73.74	66.43'	628236.2233	588824.6856
22050	120+76.56	68.43'	628236.1209	588828.1329
22053	121+27.79	68.21'	628264.6570	588870.6864
22054	121+29.87	66.21'	628267.4698	588871.3097
22055	121+43.91	60.47'	628280.0189	588879.8325
22056	121+48.58	60.48'	628282.5992	588883.7246
22057	121+48.57	66.23'	628277.8067	588886.9019
22058	123+05.44	60.70'	628369.2174	589014.4962
22059	123+12.02	60.70'	628372.8533	589019.9833
22060	123+25.20	66.47'	628375.3449	589034.1534

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
22061	123+27.23	69.11'	628374.2654	589037.3069
22062	123+15.19	72.46'	628364.8209	589029.1334
22063	123+11.43	72.45'	628362.7411	589025.9946
22064	123+05.43	66.45'	628364.4262	589017.6752
22065	123+31.94	83.50'	628364.8887	589049.1897
22066	123+63.01	83.50'	628382.0843	589075.0720
22067	123+65.10	75.52'	628389.8924	589072.3971
22068	123+74.26	62.03'	628406.1918	589072.5644
22069	123+90.90	56.24'	628420.2271	589083.2185
22070	125+23.27	66.63'	628484.8171	589199.2233
22071	125+54.10	68.55'	628500.2786	589225.9606
22072	125+56.52	75.52'	628495.8168	589231.8349
22073	125+59.78	77.41'	628496.0484	589235.5938
22074	125+62.58	73.25'	628501.0553	589235.6253
22075	125+54.09	66.55'	628501.9415	589224.8494
22076	125+65.92	66.52'	628508.5120	589234.6819
22077	125+76.85	65.28'	628515.5936	589243.1009
22078	125+93.75	61.44'	628528.1397	589255.0548
22079	126+93.38	100.53'	628550.7151	589359.6693
22080	127+03.79	103.31'	628554.1662	589369.8828
22081	127+02.02	110.08'	628547.5449	589372.1543
22082	126+91.61	107.30'	628544.0938	589361.9408

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
22083	127+05.12	75.85'	628577.7736	589355.7917
22084	127+15.54	78.88'	628581.0139	589366.1488
22085	127+05.83	61.14'	628590.4130	589348.2444
22086	127+14.81	62.03'	628594.6510	589356.2166
22087	127+30.89	65.26'	628600.8571	589371.3957
22088	127+40.71	66.24'	628605.4725	589380.1133
22089	127+40.61	60.49'	628610.2070	589376.8487
22090	127+32.11	59.64'	628606.2141	589369.3045
22091	127+15.95	56.39'	628599.9733	589354.0405
22092	127+05.81	55.39'	628595.1938	589345.0497
22093	129+01.79	60.60'	628699.3078	589511.1629
22094	129+01.78	66.35'	628694.5162	589514.3415
22095	129+21.52	74.03'	628699.0401	589535.0334
22096	129+18.88	76.92'	628695.1723	589534.4281
22097	129+14.44	84.76'	628686.1838	589535.0765
22098	129+00.45	132.16'	628638.9636	589549.6449
22099	128+98.45	131.88'	628638.0856	589547.8228
22100	129+07.88	131.72'	628643.4347	589555.5911
22101	129+05.68	132.09'	628641.9134	589553.9674
22102	128+87.59	158.10'	628610.2379	589553.2902
22103	129+01.94	162.45'	628614.5549	589567.6560
22104	129+00.26	168.09'	628608.9277	589569.3767
22105	128+85.93	163.65'	628604.6951	589554.9849

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
22106	120+46.19	-47.50'	628315.8780	588738.6943
22107	120+46.18	-53.25'	628320.6605	588735.5021

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

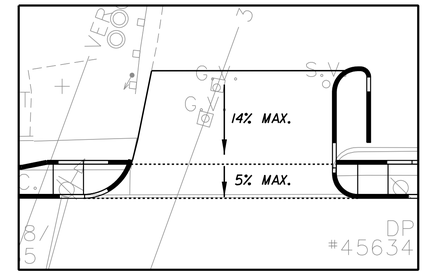
GG-03

SECTION WRA

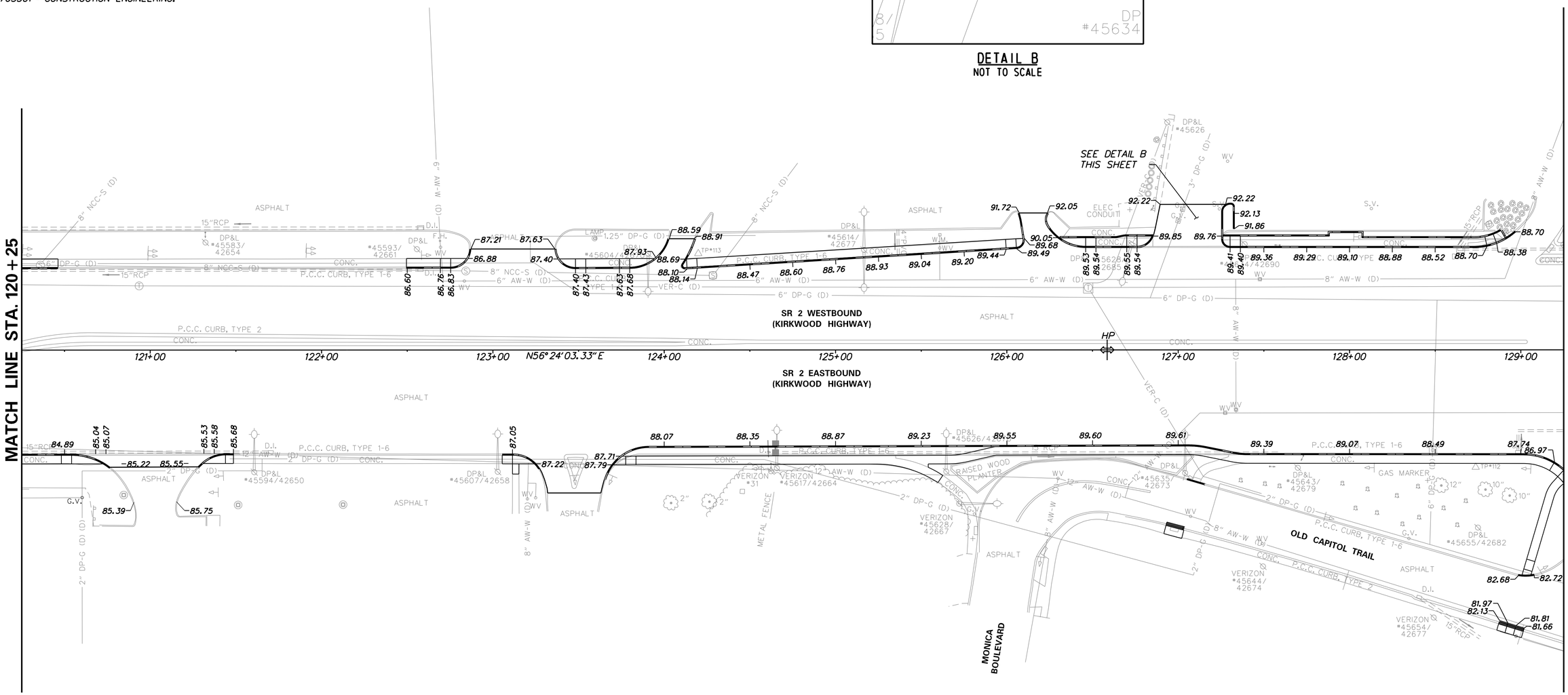
SHEET NO. 30

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



DETAIL B
NOT TO SCALE



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-04
SECTION
WRA
SHEET NO.
31

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
23000	129+89.26	-69.40'	628855.9892	589512.0815
23001	130+08.29	-61.15'	628859.6473	589532.4981
23002	130+25.13	-59.65'	628867.7223	589547.3587
23003	133+67.43	-78.49'	629072.8312	589822.0413
23004	133+83.03	-66.60'	629071.5622	589841.6142
23005	129+96.29	-65.10'	628856.2997	589520.3175
23006	132+74.05	-59.96'	629005.7265	589754.5172
23009	133+09.10	-81.92'	629043.4107	589771.5534
23010	133+30.53	-81.64'	629055.0375	589789.5596
23011	133+36.74	-81.56'	629058.4064	589794.7768
23012	133+59.26	-81.27'	629070.6235	589813.6971
23014	133+71.58	-65.56'	629064.3543	589832.6522
23015	133+82.69	-60.84'	629066.5813	589844.5180
23016	134+50.00	-52.61'	629096.9719	589905.1364
23017	134+48.73	-58.56'	629101.2241	589900.7882
23018	136+50.00	-54.68'	629209.3709	590070.5775
23019	136+50.00	-49.68'	629205.2050	590073.3452

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
23020	136+93.15	-47.85'	629227.5607	590110.2959
23021	136+97.02	-50.84'	629232.1906	590111.8658
23022	136+97.15	-51.85'	629233.1060	590111.4141
23023	136+97.15	-55.84'	629236.4312	590109.2048
23024	136+97.15	-57.00'	629237.3933	590108.5656
23025	137+33.13	-57.00'	629257.3020	590138.5316
23026	137+33.13	-53.60'	629254.4722	590140.4116
23027	137+33.13	-51.85'	629253.0146	590141.3800
23028	137+37.13	-47.85'	629251.8964	590146.9252
23029	129+29.75	74.58'	628703.1361	589542.1889
23030	129+34.37	82.83'	628698.8225	589550.6037
23031	129+77.04	67.87'	628734.8878	589577.8653
23032	129+72.03	65.02'	628734.4907	589572.1181
23033	130+02.28	48.57'	628764.9401	589588.2077

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
23034	131+60.82	48.64'	628852.6106	589720.3016
23035	131+63.82	52.14'	628851.3547	589724.7360
23036	131+60.82	55.14'	628847.1950	589723.8962
23037	131+23.47	55.12'	628826.5418	589692.7779
23038	131+10.00	54.37'	628819.7177	589681.1397
23039	131+10.00	57.37'	628817.2189	589682.7999
23040	130+91.00	57.36'	628806.7122	589666.9693
23041	130+91.00	54.36'	628809.2110	589665.3091
23042	131+63.82	57.14'	628847.1883	589727.5029
23043	132+03.83	57.16'	628869.3134	589760.8388
23044	132+03.96	54.29'	628871.7766	589759.3554
23045	132+10.82	48.66'	628880.2610	589761.9626
23046	132+58.25	48.69'	628906.4852	589801.4749
23047	132+61.24	51.69'	628905.6446	589805.6334
23048	132+61.24	54.44'	628903.3533	589807.1541
23049	132+61.25	57.19'	628901.0642	589808.6781
23050	132+94.88	57.20'	628919.6616	589836.6990

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
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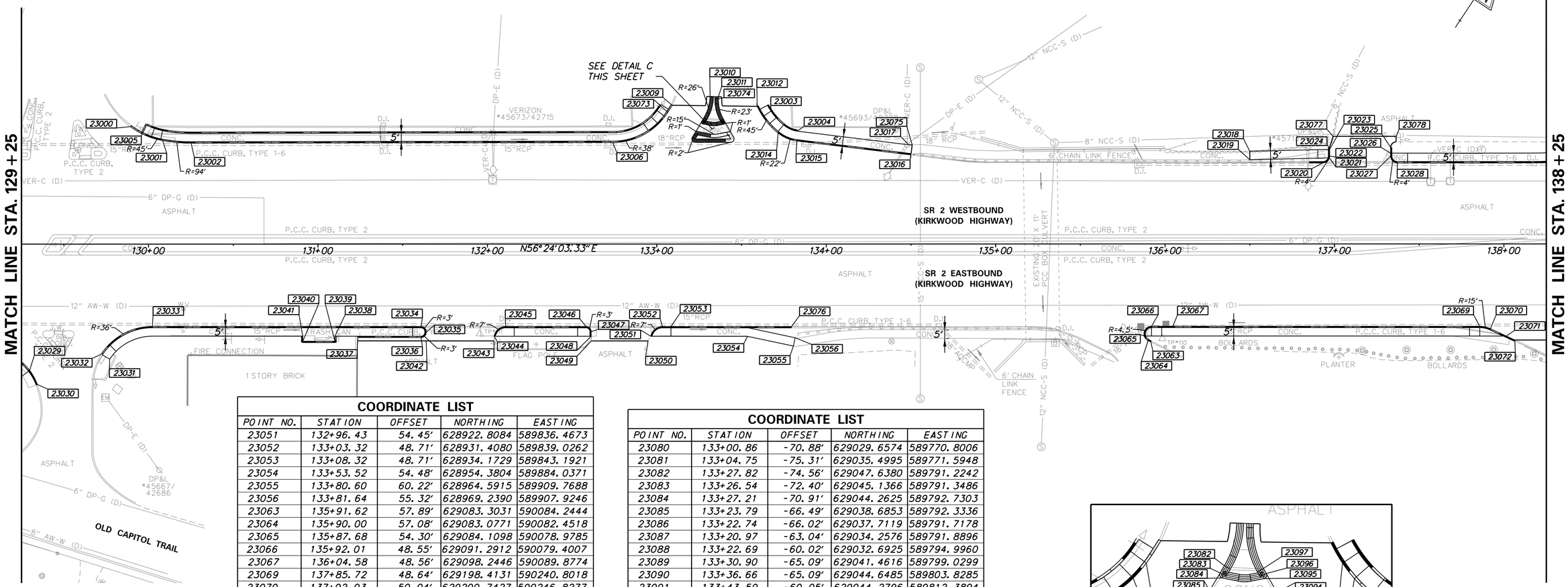
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

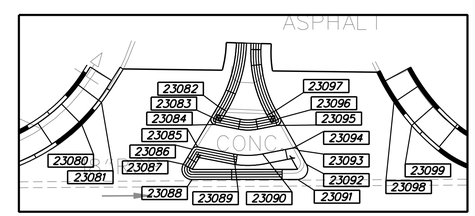


COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
23051	132+96.43	54.45'	628922.8084	589836.4673
23052	133+03.32	48.71'	628931.4080	589839.0262
23053	133+08.32	48.71'	628934.1729	589843.1921
23054	133+53.52	54.48'	628954.3804	589884.0371
23055	133+80.60	60.22'	628964.5915	589909.7688
23056	133+81.64	55.32'	628969.2390	589907.9246
23063	135+91.62	57.89'	629083.3031	590084.2444
23064	135+90.00	57.08'	629083.0771	590082.4518
23065	135+87.68	54.30'	629084.1098	590078.9785
23066	135+92.01	48.55'	629091.2912	590079.4007
23067	136+04.58	48.56'	629098.2446	590089.8774
23069	137+85.72	48.64'	629198.4131	590240.8018
23070	137+92.03	50.04'	629200.7427	590246.8277
23071	138+01.43	54.40'	629202.3102	590257.0717
23072	138+06.41	56.72'	629203.1415	590262.5043
23073	133+06.47	-77.80'	629038.5259	589771.6525
23074	133+36.33	-85.78'	629061.6929	589792.1014
23075	134+50.73	-58.62'	629102.3790	589902.4256
23076	133+79.45	48.75'	628973.5011	589902.4690
23077	136+99.16	-63.52'	629243.9407	590106.6303
23078	137+36.36	-63.52'	629264.5261	590137.6150

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
23080	133+00.86	-70.88'	629029.6574	589770.8006
23081	133+04.75	-75.31'	629035.4995	589771.5948
23082	133+27.82	-74.56'	629047.6380	589791.2242
23083	133+26.54	-72.40'	629045.1366	589791.3486
23084	133+27.21	-70.91'	629044.2625	589792.7303
23085	133+23.79	-66.49'	629038.6853	589792.3336
23086	133+22.74	-66.02'	629037.7119	589791.7178
23087	133+20.97	-63.04'	629034.2576	589791.8896
23088	133+22.69	-60.02'	629032.6925	589794.9960
23089	133+30.90	-65.09'	629041.4616	589799.0299
23090	133+36.66	-65.09'	629044.6485	589803.8285
23091	133+43.59	-60.05'	629044.2796	589812.3894
23092	133+45.33	-63.03'	629047.7264	589812.1879
23093	133+43.78	-65.78'	629049.1612	589809.3696
23094	133+42.71	-66.27'	629048.9813	589808.2130
23095	133+39.47	-70.74'	629050.9048	589803.0460
23096	133+40.15	-72.21'	629052.5072	589802.7968
23097	133+39.30	-73.72'	629053.2936	589801.2520
23098	133+39.30	-73.72'	629053.2936	589801.2520
23099	133+66.18	-70.72'	629065.6726	589825.3027



DETAIL C
NOT TO SCALE

GG-05

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

SECTION: WRA
SHEET NO. 32

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
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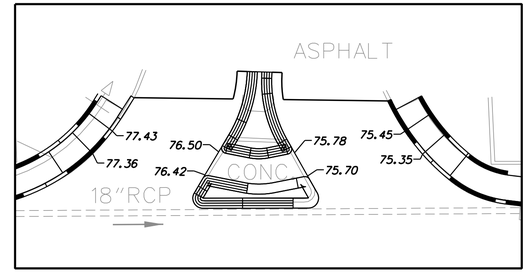
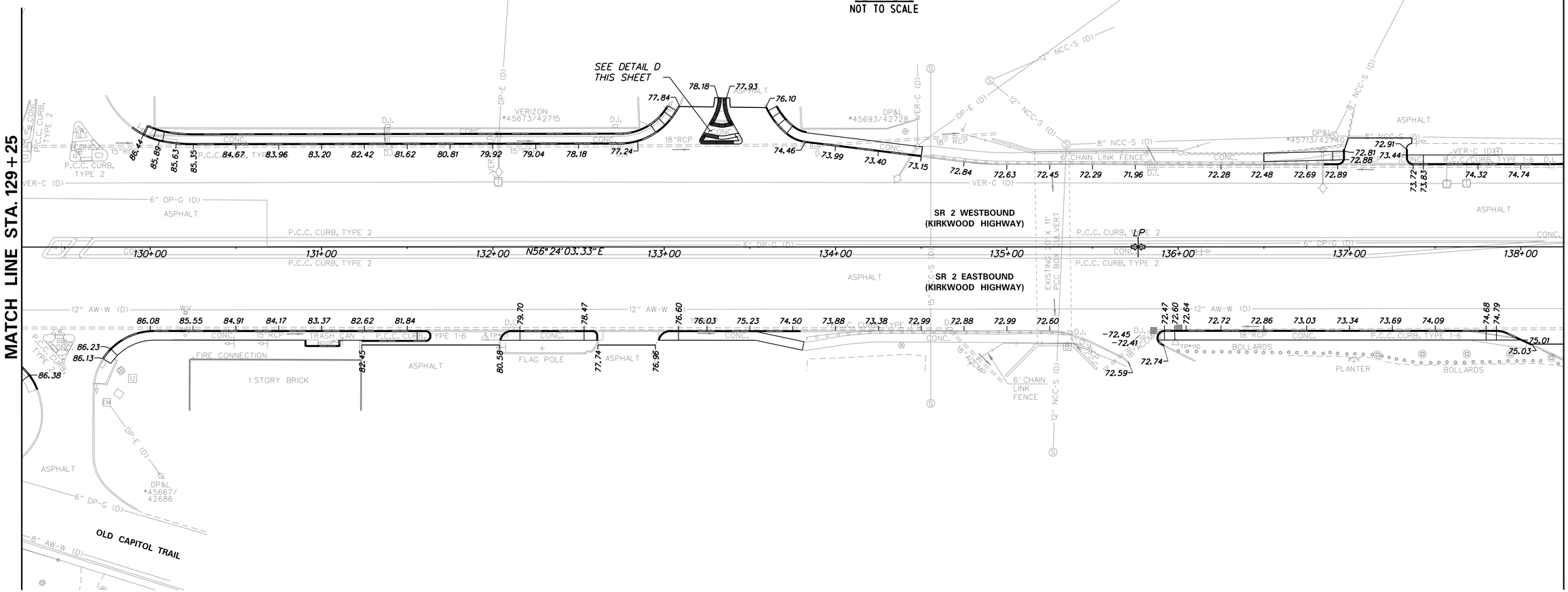


DETAIL D
NOT TO SCALE



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

GG-06
SECTION
WRA
SHEET NO.
33

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24000	138+27.86	-48.19'	629302.3906	590222.3144
24001	139+47.81	-55.19'	629374.5989	590318.3536
24002	139+51.57	-59.42'	629380.1998	590319.1469
24003	139+51.47	-61.16'	629381.5986	590318.0952
24004	139+51.31	-63.97'	629383.8423	590316.4083
24005	139+98.04	-66.69'	629411.9705	590353.8197
24006	139+98.08	-63.95'	629409.7156	590355.3757
24007	139+98.19	-60.06'	629406.5301	590357.6155
24008	140+00.28	-58.12'	629406.0697	590360.4371
24009	140+32.97	-59.16'	629425.0323	590387.0878
24010	140+34.77	-60.36'	629427.0182	590387.9205
24011	141+86.17	-59.10'	629509.7556	590514.7254
24012	141+86.95	-60.72'	629511.5389	590514.4823
24013	141+83.69	-64.85'	629513.1729	590509.4794
24014	141+78.83	-71.00'	629515.6070	590502.0264
24015	141+72.72	-64.85'	629507.0989	590500.3413
24016	140+36.81	-65.00'	629432.0192	590387.0548

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24017	140+38.26	-68.29'	629435.5638	590386.4412
24018	140+58.61	-68.30'	629446.8250	590403.3832
24019	140+56.83	-64.67'	629442.8183	590403.9116
24020	140+55.46	-61.88'	629439.7416	590404.3173
24021	140+57.26	-59.00'	629438.3372	590407.4069
24022	140+62.35	-66.92'	629447.7542	590407.2605
24023	140+70.27	-63.92'	629449.6300	590415.5190
24024	140+23.29	-65.00'	629424.5376	590375.7937
24025	140+10.30	-64.71'	629417.1028	590365.1291
24026	142+01.14	-71.00'	629527.9536	590520.6101
24027	142+05.90	-65.85'	629526.2986	590527.4200
24028	142+10.65	-60.71'	629524.6454	590534.2230
24029	142+14.32	-59.10'	629525.3399	590538.1715
24030	142+20.80	-59.11'	629528.9274	590543.5688
24031	142+28.70	-65.86'	629538.9230	590546.4129
24032	142+28.81	-69.00'	629541.5993	590544.7635
24033	142+61.83	-69.00'	629559.8682	590572.2613
24034	142+59.83	-64.86'	629555.3216	590572.8906
24035	142+65.43	-59.12'	629553.6317	590580.7354
24036	142+71.43	-59.12'	629556.9530	590585.7323

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24037	142+77.43	-59.12'	629560.2744	590590.7291
24038	142+90.00	-59.87'	629567.8560	590600.7806
24039	142+90.00	-64.87'	629572.0207	590598.0137
24040	144+39.38	-94.11'	629679.0332	590706.2576
24041	144+59.46	-69.02'	629669.2546	590736.8671
24042	144+87.30	-59.34'	629676.5929	590765.4113
24043	144+98.64	-59.18'	629682.7327	590774.9474
24044	144+98.72	-64.92'	629687.5673	590771.8347
24045	144+47.87	-94.45'	629684.0176	590713.1404
24046	146+23.80	-59.08'	629751.9157	590879.2541
24047	146+37.42	-59.06'	629759.4376	590890.6040
24048	146+39.10	-62.15'	629762.9385	590890.2975
24049	146+35.33	-68.00'	629765.7222	590883.9144
24050	146+37.38	-64.81'	629764.2048	590887.3887
24051	146+28.92	-64.82'	629759.5296	590880.3341
24052	146+23.80	-64.83'	629756.7051	590876.0722
24053	146+63.24	-68.00'	629781.1706	590907.1670

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
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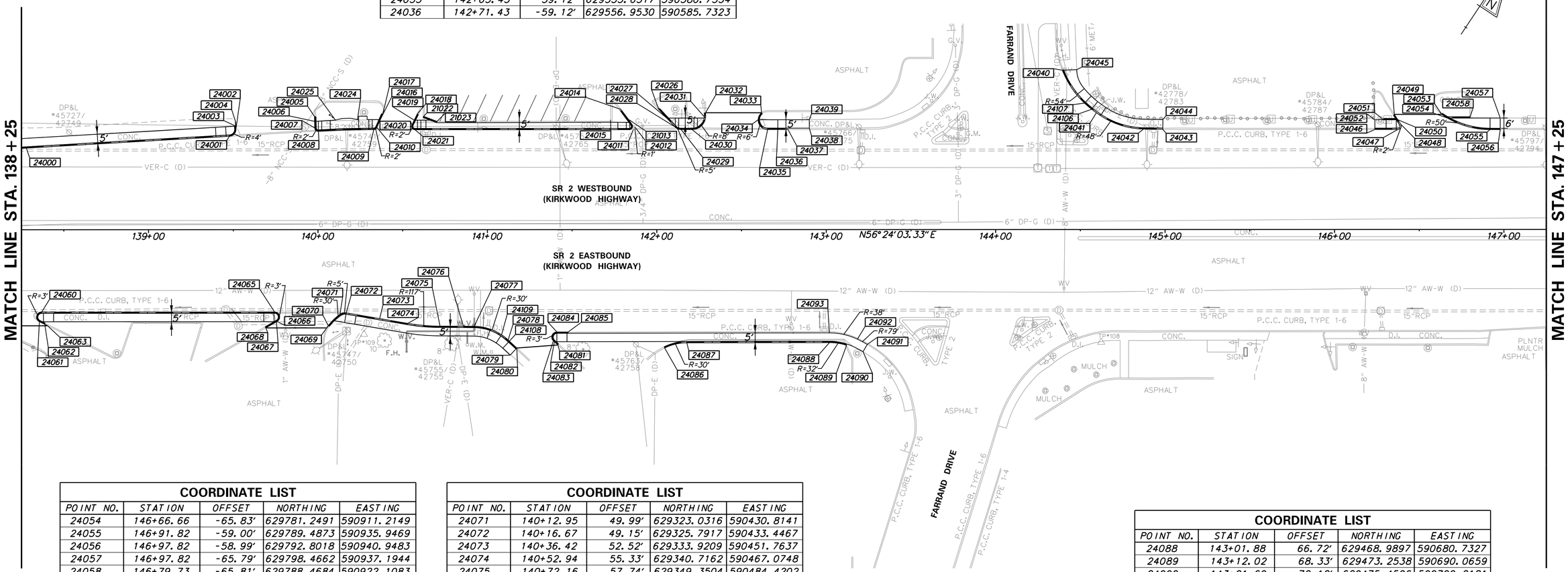


COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24054	146+66.66	-65.83'	629781.2491	590911.2149
24055	146+91.82	-59.00'	629789.4873	590935.9469
24056	146+97.82	-58.99'	629792.8018	590940.9483
24057	146+97.82	-65.79'	629798.4662	590937.1944
24058	146+79.73	-65.81'	629788.4684	590922.1083
24060	138+36.88	48.63'	629226.7290	590283.4046
24061	138+35.56	54.33'	629221.2574	590285.4628
24062	138+38.71	55.87'	629221.7206	590288.9337
24063	138+40.43	56.72'	629221.9670	590290.8399
24065	139+74.36	48.57'	629302.8687	590397.8848
24066	139+75.86	54.17'	629299.0298	590402.2298
24067	139+75.50	54.37'	629298.6640	590402.0471
24068	139+69.18	58.00'	629292.1438	590398.7891
24069	140+05.20	58.00'	629312.0748	590428.7887
24070	140+06.06	56.75'	629313.5954	590428.8132

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24071	140+12.95	49.99'	629323.0316	590430.8141
24072	140+16.67	49.15'	629325.7917	590433.4467
24073	140+36.42	52.52'	629333.9209	590451.7637
24074	140+52.94	55.33'	629340.7162	590467.0748
24075	140+72.16	57.74'	629349.3504	590484.4202
24076	140+85.80	57.03'	629357.4875	590495.3912
24077	140+92.19	57.11'	629360.9511	590500.7539
24078	141+12.22	65.14'	629365.3549	590521.8835
24079	141+13.44	74.12'	629358.5468	590527.8694
24080	141+17.36	69.91'	629364.2211	590528.7997
24081	141+41.58	68.13'	629379.1074	590547.9876
24082	141+39.52	66.22'	629379.5581	590545.2178
24083	141+38.92	65.67'	629379.6887	590544.4157
24084	141+40.96	60.47'	629385.1460	590543.2337
24085	141+47.65	60.46'	629388.8574	590548.8015
24086	142+04.62	69.87'	629412.5405	590601.4653
24087	142+17.70	66.85'	629422.2978	590610.6868

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
24088	143+01.88	66.72'	629468.9897	590680.7327
24089	143+12.02	68.33'	629473.2538	590690.0659
24090	143+21.69	72.12'	629475.4506	590700.2181
24091	143+24.22	67.81'	629480.4429	590699.9392
24092	143+18.36	64.70'	629479.7934	590693.3368
24093	143+01.88	60.97'	629473.7742	590677.5434
24106	144+56.69	-71.02'	629669.3854	590733.4489
24107	144+52.44	-74.66'	629670.0652	590727.8958
24108	141+12.96	65.82'	629365.1918	590522.8787
24109	141+08.35	62.09'	629365.7533	590516.9671

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

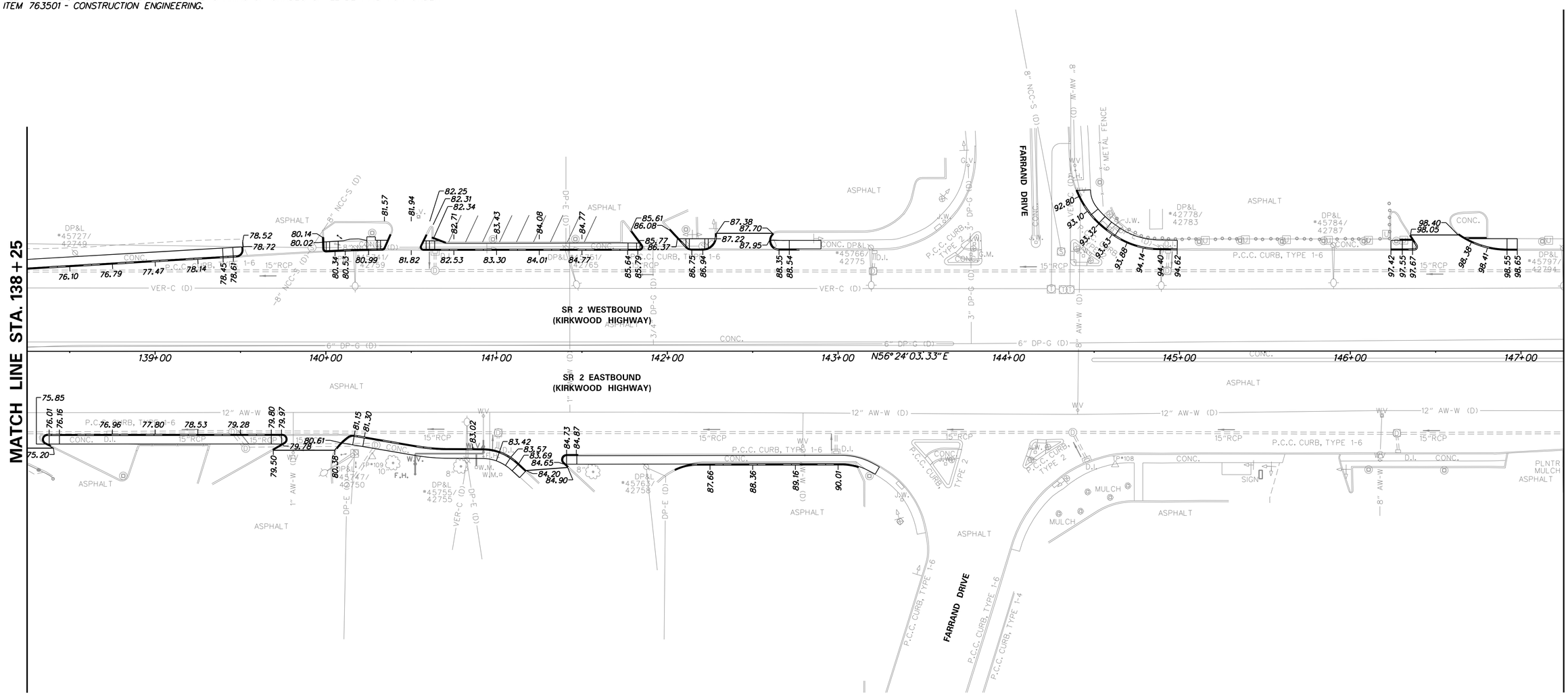
GG-07

SECTION WRA

SHEET NO. 34

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

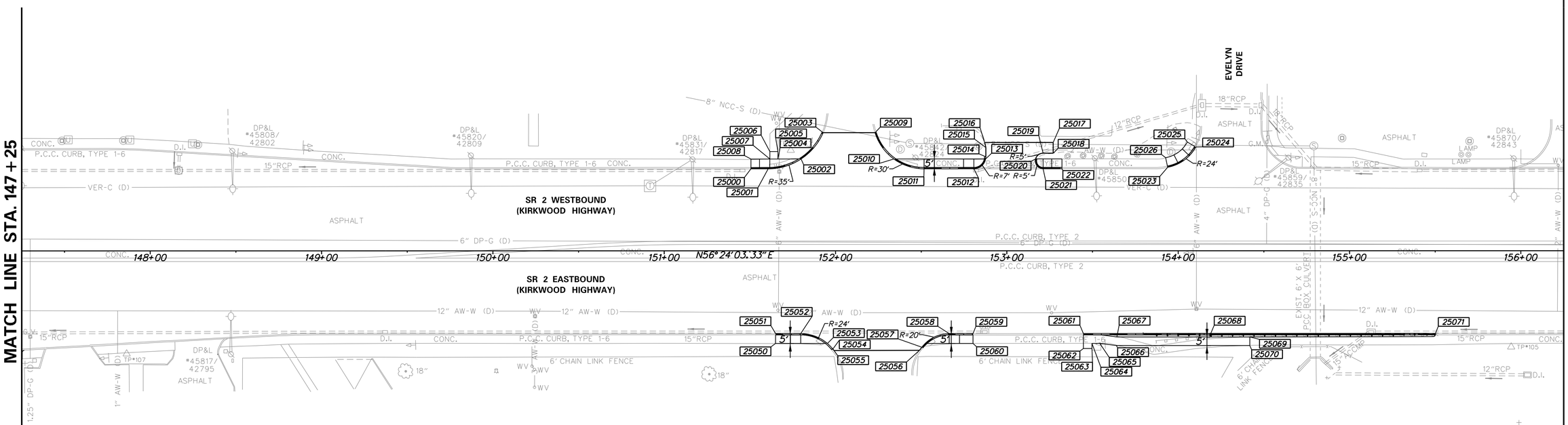
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

GG-08
SECTION
WRA
SHEET NO.
35

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
25000	151+50.64	-47.88'	630034.1254	591324.2701
25001	151+60.66	-47.88'	630039.6732	591332.6173
25002	151+79.88	-53.63'	630055.1010	591345.4420
25003	151+92.79	-69.00'	630075.0417	591347.6870
25004	151+66.38	-53.63'	630047.6268	591334.1964
25005	151+66.38	-58.00'	630051.2657	591331.7779
25006	151+61.66	-58.00'	630048.6539	591327.8467
25007	151+61.66	-53.63'	630045.0143	591330.2656
25008	151+50.64	-53.63'	630038.9141	591321.0873
25009	152+23.05	-69.00'	630091.7882	591372.8933
25010	152+34.04	-53.64'	630085.0799	591390.5485
25011	152+51.70	-47.90'	630090.0673	591408.4405
25012	152+80.73	-47.90'	630106.1339	591432.6144
25013	152+87.62	-53.65'	630114.7350	591435.1678
25014	152+87.73	-54.90'	630115.8384	591434.5696
25015	152+87.73	-60.30'	630120.3367	591431.5798
25016	152+86.99	-63.24'	630122.3721	591429.3408

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
25017	153+27.05	-63.24'	630144.5390	591462.7057
25018	153+27.17	-57.00'	630139.4104	591466.2580
25019	153+21.16	-57.00'	630136.0840	591461.2513
25020	153+16.77	-53.66'	630130.8734	591459.4496
25021	153+21.16	-47.91'	630128.5112	591466.2834
25022	153+32.16	-47.91'	630134.5999	591475.4446
25023	153+93.85	-48.75'	630169.4375	591526.3600
25024	154+10.29	-60.60'	630188.4040	591533.5025
25025	154+05.33	-63.52'	630188.0953	591527.7578
25026	153+92.66	-54.38'	630173.4696	591522.2573
25049	148+85.61	54.14'	629802.4905	591159.9734
25050	151+64.97	54.12'	629957.0948	591392.6471



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
25051	151+65.00	48.37'	629961.9030	591389.4938
25052	151+79.66	48.37'	629970.0149	591401.7084
25053	151+95.25	54.13'	629973.8479	591417.8734
25054	151+98.43	57.42'	629972.8645	591422.3503
25055	151+99.12	58.28'	629972.5276	591423.3950
25056	152+48.99	58.15'	630000.2387	591464.8656
25057	152+50.36	56.34'	630002.5054	591465.0025
25058	152+66.33	48.39'	630017.9598	591473.9015
25059	152+80.21	48.39'	630025.6380	591485.4629
25060	152+80.20	54.14'	630020.8481	591488.6440
25061	153+44.66	48.34'	630061.3473	591539.1173
25062	153+44.66	57.09'	630054.0591	591543.9593
25063	153+49.66	57.09'	630056.8254	591548.1244
25064	153+49.66	54.09'	630059.3242	591546.4643
25065	153+54.23	54.09'	630061.8555	591550.2756
25066	153+63.88	55.34'	630066.1532	591559.0061
25067	153+64.20	50.34'	630070.4967	591556.5085
25068	154+18.99	48.35'	630102.4728	591601.0395
25069	154+41.80	50.36'	630113.4234	591621.1425
25070	154+41.80	55.36'	630109.2587	591623.9094
25071	155+50.13	48.37'	630175.0272	591710.2835

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-09

SECTION WRA

SHEET NO. 36

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
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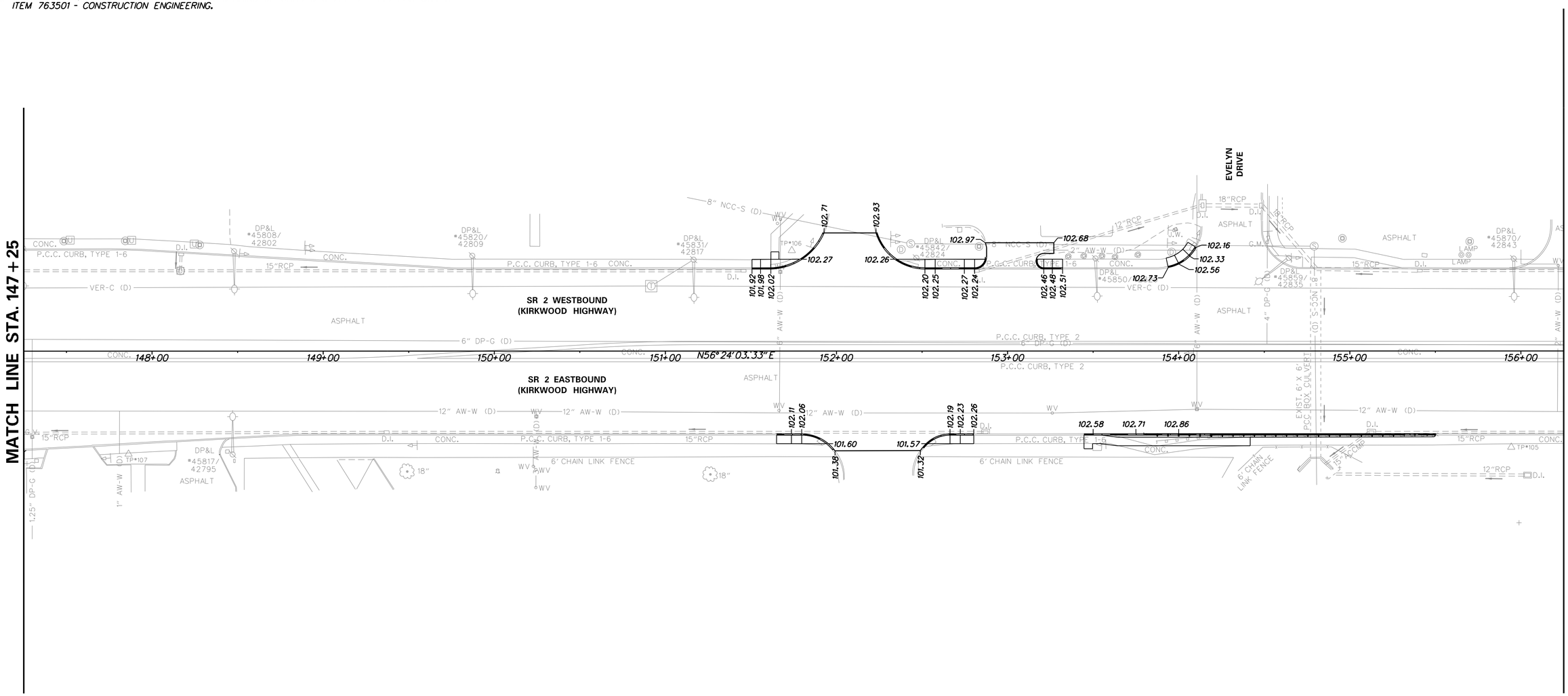
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-10
SECTION
WRA
SHEET NO.
37

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
26000	156+74.50	-54.72'	630329.7179	591756.8229
26001	156+74.50	-47.95'	630324.0746	591760.5702
26002	156+80.50	-47.95'	630327.3937	591765.5686
26003	156+86.50	-54.72'	630336.3559	591766.8195
26004	156+86.50	-58.00'	630339.0898	591765.0032
26005	157+11.50	-58.00'	630352.9243	591785.8264
26006	157+11.51	-53.69'	630349.3352	591788.2171
26007	157+17.50	-47.94'	630347.8612	591796.3919
26008	157+48.00	-47.93'	630364.7331	591821.8004
26009	157+53.99	-53.68'	630372.8394	591823.6137
26010	157+54.00	-58.00'	630376.4428	591821.2260
26011	157+74.00	-58.00'	630387.5104	591837.8846
26012	157+74.01	-53.67'	630383.9087	591840.2836
26013	157+80.00	-47.92'	630382.4348	591848.4584
26014	158+04.39	-47.92'	630395.9283	591868.7792
26015	158+07.30	-49.17'	630398.5825	591870.5086
26016	158+11.54	-53.66'	630404.6747	591871.5565

COORDINATE LIST

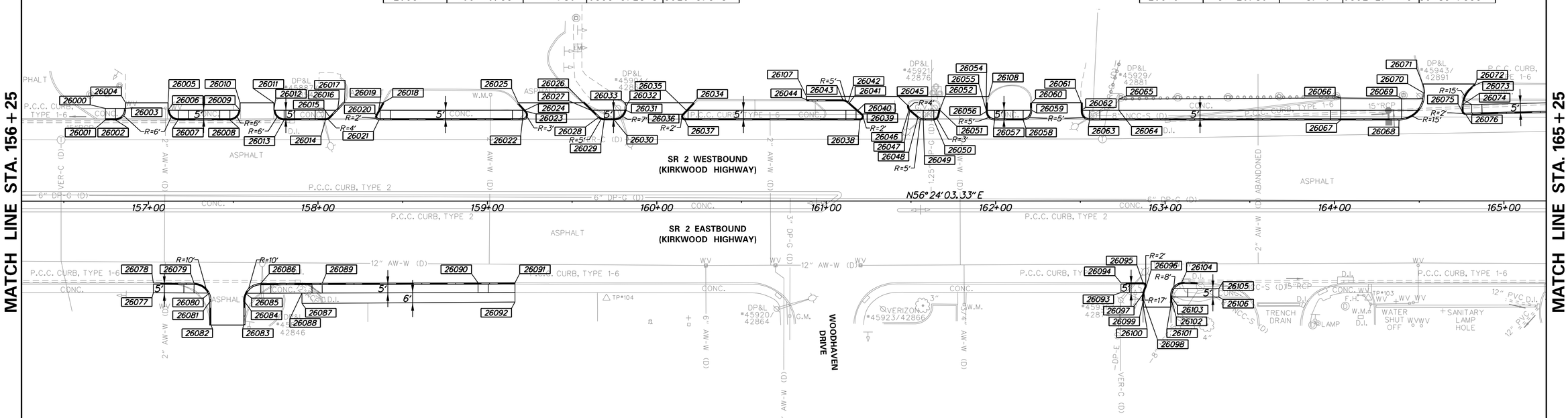
POINT NO.	STATION	OFFSET	NORTHING	EASTING
26017	158+15.64	-58.00'	630410.5530	591872.5676
26018	158+38.24	-58.00'	630423.0610	591891.3943
26019	158+35.80	-53.64'	630418.0755	591891.7753
26020	158+34.26	-50.88'	630414.9305	591892.0156
26021	158+36.01	-47.91'	630413.4167	591895.1162
26022	159+20.74	-47.89'	630460.2900	591965.7056
26023	159+22.93	-52.93'	630465.7077	591964.7405
26024	159+22.28	-53.64'	630465.9303	591963.8051
26025	159+18.21	-58.00'	630467.3123	591957.9971
26026	159+56.52	-58.00'	630488.5103	591989.9070
26027	159+61.01	-53.63'	630487.3548	591996.0698
26028	159+65.46	-49.29'	630486.2092	592002.1797
26029	159+68.95	-47.88'	630486.9582	592005.8670
26030	159+74.88	-47.87'	630490.2405	592010.8099
26031	159+81.76	-53.62'	630498.8312	592013.3527
26032	159+81.90	-55.94'	630500.8394	592012.1870
26033	159+81.04	-58.00'	630502.0844	592010.3384
26034	160+21.65	-58.00'	630524.5535	592044.1583
26035	160+17.40	-53.61'	630518.5472	592043.0443
26036	160+15.11	-51.26'	630515.3186	592042.4456
26037	160+16.55	-47.86'	630513.2878	592045.5184

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
26038	161+20.01	-47.84'	630570.5187	592131.7060
26039	161+21.32	-51.35'	630574.1684	592130.8552
26040	161+18.73	-53.59'	630574.6051	592127.4656
26041	161+13.65	-58.00'	630575.4653	592120.7894
26042	161+13.03	-58.54'	630575.5708	592119.9712
26043	161+09.76	-59.76'	630574.7801	592116.5709
26044	160+88.34	-59.79'	630562.9534	592098.7183
26045	161+47.97	-56.53'	630593.2352	592150.1933
26046	161+48.77	-53.58'	630591.2199	592152.4869
26047	161+49.23	-53.11'	630591.0826	592153.1334
26048	161+54.01	-49.03'	630590.3275	592159.3732
26049	161+57.26	-47.83'	630591.1259	592162.7398
26050	161+63.49	-47.83'	630594.5708	592167.9277
26051	161+67.18	-53.58'	630601.4048	592167.8249
26052	161+67.46	-54.79'	630602.5669	592167.3814
26054	161+94.41	-58.00'	630620.1552	592188.0555
26055	161+94.41	-53.57'	630616.4660	592190.5065
26056	161+94.41	-52.82'	630615.8403	592190.9222
26057	161+99.41	-47.82'	630614.4419	592197.8527
26058	162+16.25	-47.82'	630623.7574	592211.8816

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
26059	162+21.19	-53.56'	630631.2821	592212.8190
26060	162+21.25	-58.00'	630635.0080	592210.4114
26061	162+50.47	-58.00'	630651.1767	592234.7481
26062	162+50.47	-53.56'	630647.4761	592237.2066
26063	162+55.47	-47.81'	630645.4520	592244.5529
26064	162+72.76	-53.55'	630659.8076	592255.7774
26065	162+72.76	-60.15'	630665.3068	592252.1238
26066	164+03.69	-60.77'	630738.2744	592360.8409
26067	164+03.69	-47.77'	630727.4470	592368.0344
26068	164+38.06	-47.76'	630746.4612	592396.6692
26069	164+39.58	-60.46'	630757.8767	592390.9047
26070	164+53.07	-63.46'	630767.8379	592400.4801
26071	164+52.09	-69.00'	630771.9144	592396.6014
26072	164+83.08	-69.00'	630789.0599	592422.4083
26073	164+80.84	-67.21'	630786.3345	592421.5341
26074	164+75.28	-56.59'	630774.4070	592422.7852
26075	164+75.24	-53.04'	630771.4364	592424.7140
26076	164+77.48	-51.05'	630771.0118	592427.6746
26077	157+02.81	54.06'	630254.7769	591840.6048
26078	157+02.82	48.31'	630259.5689	591837.4267
26079	157+26.86	48.46'	630272.7479	591857.5357



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
26080	157+35.88	54.27'	630272.9004	591868.2584
26081	157+36.80	58.46'	630269.9178	591871.3465
26082	157+36.80	73.12'	630257.7071	591879.4589
26083	157+56.17	73.12'	630268.4259	591895.5926
26084	157+56.17	58.63'	630280.5006	591887.5705
26085	157+57.10	54.40'	630284.5364	591886.0127
26086	157+66.14	48.63'	630294.3476	591890.3419
26087	157+90.54	60.38'	630298.0626	591917.1717
26088	157+90.54	54.31'	630303.1215	591913.8107
26089	158+02.46	48.52'	630314.5358	591920.5379
26090	158+94.46	48.25'	630365.6691	591997.0191
26091	159+16.26	48.19'	630377.7874	592015.1447
26092	159+16.27	59.59'	630368.2929	592021.4552
26093	162+73.97	54.05'	630570.8500	592316.3302
26094	162+73.93	48.30'	630575.6191	592313.1181
26095	162+86.92	48.17'	630582.9212	592323.8645
26096	162+88.75	51.00'	630581.5693	592326.9508

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
26097	162+87.72	53.91'	630578.5792	592327.7051
26098	162+87.20	58.11'	630574.7923	592329.5943
26099	162+87.20	58.92'	630574.1196	592330.0423
26100	162+87.20	62.66'	630571.0039	592332.1177
26101	163+03.25	62.62'	630579.9176	592345.4661
26102	163+03.24	56.62'	630584.9100	592342.1323
26103	163+03.24	55.94'	630585.4762	592341.7542
26104	163+09.82	48.04'	630595.6925	592342.8663
26105	163+31.77	51.72'	630604.7810	592363.1843
26106	163+31.75	56.72'	630600.6068	592365.9368
26107	160+88.35	-61.79'	630564.6207	592097.6138
26108	161+95.85	-61.65'	630623.9916	592187.2350

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-11

SECTION WRA

SHEET NO. 38

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
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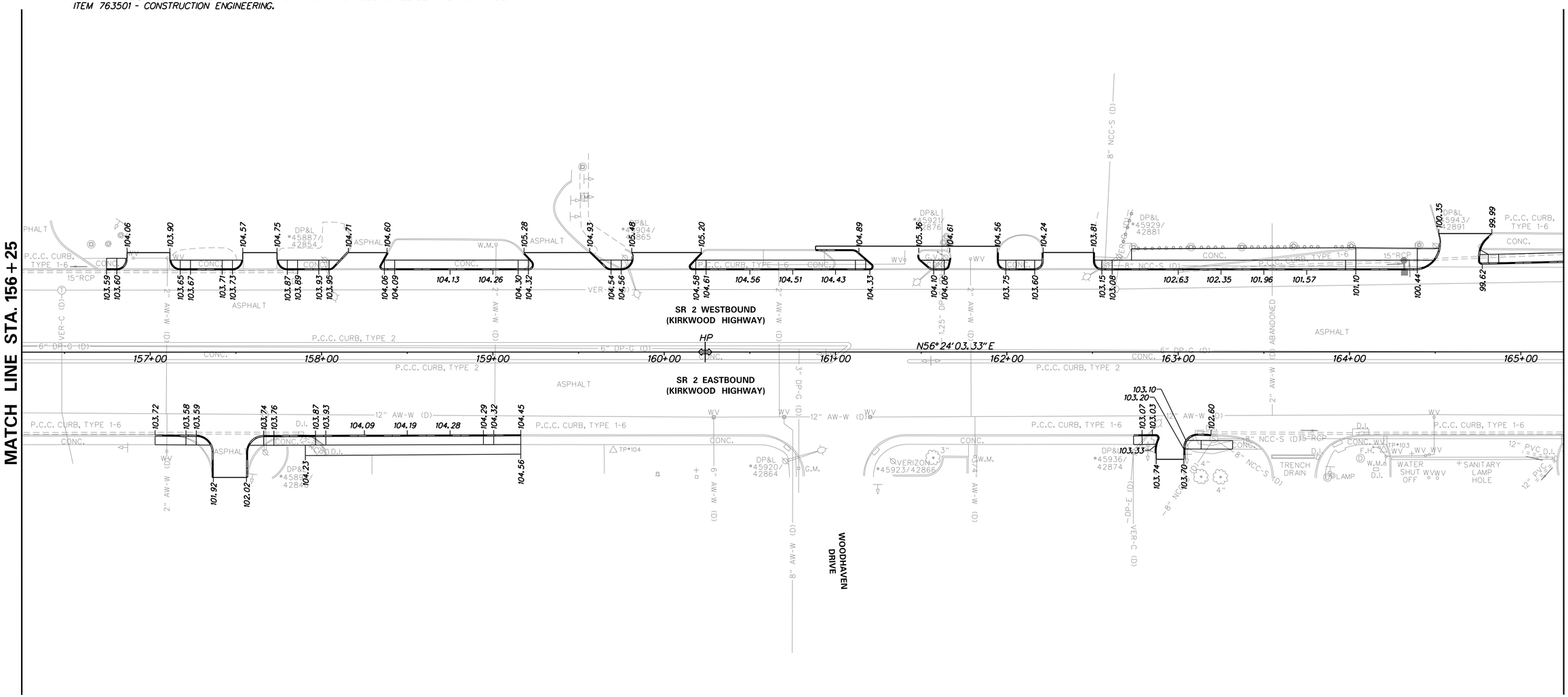


ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

GG-12
SECTION
WRA
SHEET NO.
39

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
27000	166+16.43	-54.25'	630850.5715	592541.6469
27001	166+17.79	-57.67'	630854.1744	592540.8849
27002	166+15.46	-59.98'	630854.8027	592537.6628
27003	166+07.58	-67.76'	630856.9218	592526.7945
27004	166+42.47	-67.76'	630876.2287	592555.8548
27005	166+50.98	-60.00'	630874.4803	592567.2442
27006	166+70.43	-54.25'	630880.4494	592586.6200
27007	167+39.92	-60.00'	630923.6972	592641.3246
27008	167+39.92	-63.00'	630926.1959	592639.6645
27009	167+44.92	-63.00'	630928.9628	592643.8291
27010	167+44.92	-60.00'	630926.4640	592645.4893
27011	168+23.42	-54.25'	630965.1115	592714.0511
27012	168+51.42	-69.77'	630993.5356	592728.7837
27013	168+61.42	-80.89'	631008.3304	592730.9572
27014	168+65.60	-87.82'	631016.4143	592730.6078
27015	168+70.49	-84.79'	631016.5997	592736.3548
27016	168+98.83	-72.14'	631021.7421	592766.9699
27017	168+98.40	-67.15'	631017.3492	592769.3648
27018	168+98.24	-65.38'	631015.7859	592770.2171
27019	169+08.56	-64.61'	631020.8599	592779.2385
27020	169+08.69	-66.63'	631022.6085	592778.2244
27021	169+08.99	-71.62'	631026.9318	592775.7122
27022	169+32.19	-75.77'	631043.2297	592792.7407
27023	169+40.16	-76.45'	631048.2073	592799.0035

COORDINATE LIST

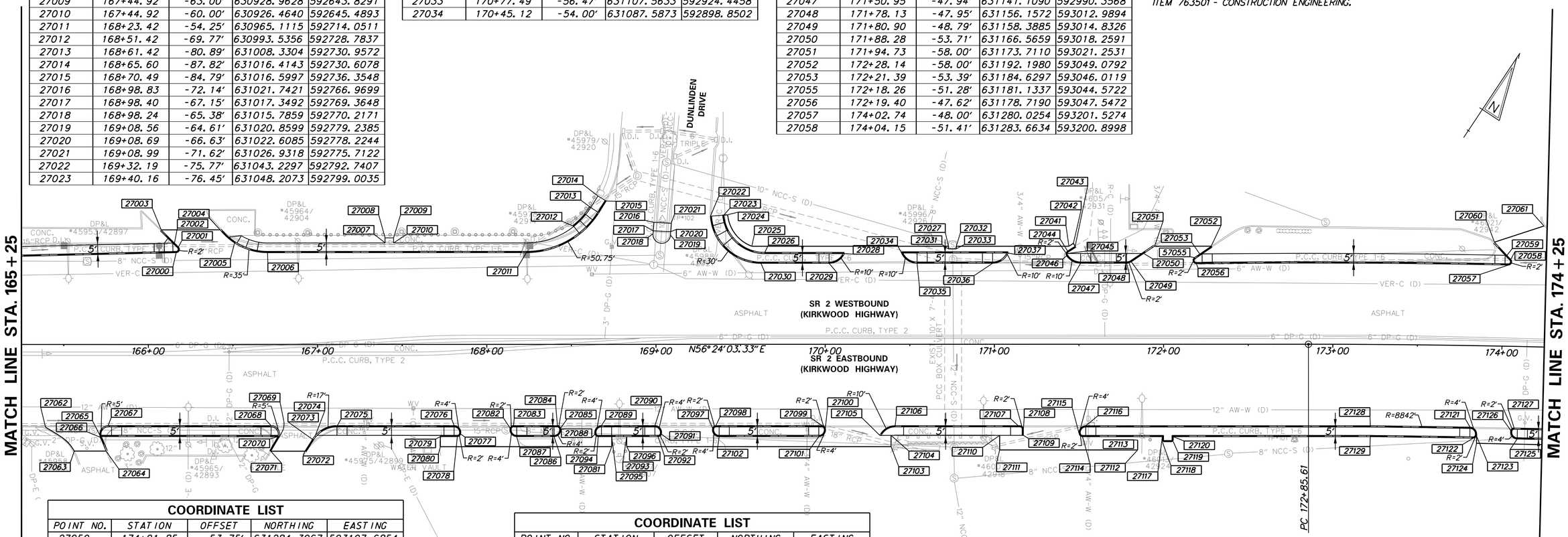
POINT NO.	STATION	OFFSET	NORTHING	EASTING
27024	169+42.40	-76.65'	631049.6134	592800.7600
27025	169+56.66	-58.00'	631041.9677	592822.9565
27026	169+64.32	-54.38'	631043.1892	592831.3447
27027	170+72.88	-58.00'	631106.2813	592919.7597
27028	170+11.38	-53.64'	631068.6175	592870.9437
27029	170+02.33	-47.89'	631058.8175	592866.5895
27030	169+62.06	-47.87'	631036.5242	592833.0602
27031	170+72.88	-56.47'	631105.0108	592920.6038
27032	170+77.49	-58.00'	631108.8339	592923.6017
27033	170+77.49	-56.47'	631107.5633	592924.4458
27034	170+45.12	-54.00'	631087.5873	592898.8502

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
27035	170+54.33	-47.91'	631087.6081	592909.8910
27036	170+98.95	-47.92'	631112.3182	592947.0551
27037	171+08.15	-54.00'	631122.4675	592951.3510
27041	171+44.02	-58.00'	631145.6514	592979.0185
27042	171+46.69	-59.69'	631148.5368	592980.3075
27043	171+47.76	-58.00'	631147.7210	592982.1336
27044	171+43.26	-55.15'	631142.8507	592979.9578
27045	171+43.10	-53.69'	631141.5483	592980.6324
27046	171+42.67	-52.34'	631140.1845	592981.0248
27047	171+50.95	-47.94'	631141.1090	592990.3568
27048	171+78.13	-47.95'	631156.1572	593012.9894
27049	171+80.90	-48.79'	631158.3885	593014.8326
27050	171+88.28	-53.71'	631166.5659	593018.2591
27051	171+94.73	-58.00'	631173.7110	593021.2531
27052	172+28.14	-58.00'	631192.1980	593049.0792
27053	172+21.39	-53.39'	631184.6297	593046.0119
27055	172+18.26	-51.28'	631181.1337	593044.5722
27056	172+19.40	-47.62'	631178.7190	593047.5472
27057	174+02.74	-48.00'	631280.0254	593201.5274
27058	174+04.15	-51.41'	631283.6634	593200.8998

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
27059	174+01.85	-53.75'	631284.3967	593197.6854
27060	173+94.37	-61.40'	631286.7887	593187.2013
27061	174+23.14	-71.57'	631310.9620	593206.3386
27062	165+39.23	48.98'	630721.8633	592534.4715
27063	165+56.16	63.06'	630719.5102	592556.3596
27064	165+74.97	63.06'	630729.9179	592572.0250
27065	165+71.30	53.74'	630735.6464	592563.8122
27066	165+71.62	54.89'	630734.8646	592564.7137
27067	165+76.24	47.99'	630743.1711	592564.7497
27068	166+72.54	48.02'	630796.4373	592644.9692
27069	166+76.85	55.54'	630792.5557	592652.7270
27070	166+76.51	54.52'	630793.2220	592651.8775
27071	166+72.38	63.17'	630783.7303	592653.2285
27072	166+92.51	63.17'	630794.8699	592669.9956
27073	166+96.96	56.14'	630803.1882	592669.8033
27074	166+98.71	53.77'	630806.1245	592669.9530
27075	167+11.68	48.03'	630818.0901	592677.5786
27076	167+80.66	48.04'	630856.2496	592735.0472
27077	167+84.54	53.04'	630854.2266	592741.0395
27078	167+82.60	54.54'	630851.9058	592740.2560
27079	167+72.54	54.54'	630846.3403	592731.8742
27080	167+72.54	60.50'	630841.3760	592735.1705
27081	168+73.85	60.50'	630897.4426	592819.5604
27082	168+13.79	49.55'	630873.3251	592763.4734
27083	168+15.78	48.05'	630875.6768	592764.3048

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
27084	168+41.71	48.06'	630890.0194	592785.9049
27085	168+43.65	49.56'	630889.8410	592788.3479
27086	168+39.77	54.56'	630883.5332	592787.8873
27087	168+17.66	54.55'	630871.3015	592769.4661
27088	168+63.90	53.06'	630898.1293	592807.1574
27089	168+67.78	48.07'	630904.4370	592807.6180
27090	168+99.34	48.07'	630921.8963	592833.9119
27091	169+03.21	53.07'	630919.8733	592839.9042
27092	169+01.27	54.57'	630917.5525	592839.1207
27093	168+82.69	54.57'	630907.2722	592823.6384
27094	168+65.84	54.56'	630897.9509	592809.6004
27095	168+73.85	54.57'	630902.3852	592816.2785
27096	168+82.69	60.50'	630902.3315	592826.9191
27097	169+33.46	49.58'	630939.5243	592863.1716
27098	169+35.40	48.08'	630941.8451	592863.9551
27099	169+98.15	48.10'	630976.5573	592916.2320
27100	170+00.09	49.60'	630976.3789	592918.6750
27101	169+96.22	54.60'	630970.0711	592918.2144
27102	169+37.34	54.58'	630937.5013	592869.1639
27103	170+38.93	60.50'	630988.7937	592957.0596
27104	170+38.93	53.86'	630994.3258	592953.3863
27105	170+32.28	53.86'	630990.6452	592947.8433
27106	170+41.33	48.11'	631000.4426	592952.2035
27107	171+14.00	48.13'	631040.6399	593012.7412

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
27108	171+17.15	50.13'	631040.7144	593016.4690
27109	171+17.15	53.88'	631037.5904	593018.5434
27110	171+03.10	53.88'	631029.8198	593006.8407
27111	171+03.10	62.50'	631022.6353	593011.6113
27112	171+84.66	62.50'	631067.7724	593079.5505
27113	171+84.66	56.65'	631072.6477	593076.3114
27114	171+52.06	54.64'	631056.2803	593048.0464
27115	171+50.13	53.14'	631056.4587	593045.6034
27116	171+54.00	48.14'	631062.7664	593046.0640
27117	171+99.25	54.65'	631082.3822	593087.3561
27118	171+99.25	57.65'	631079.8830	593089.0156
27119	172+05.75	57.65'	631083.4785	593094.4306
27120	172+05.75	54.65'	631085.9777	593092.7711
27121	173+81.90	48.24'	631187.6761	593235.7089
27122	173+83.85	54.74'	631183.2404	593240.8398
27123	173+85.80	53.24'	631185.5470	593241.6646
27124	173+85.93	57.74'	631181.8215	593244.1925
27125	174+10.15	54.75'	631197.2302	593262.8216
27126	174+06.24	49.75'	631199.3773	593256.8730
27127	174+08.20	48.25'	631201.6812	593257.7043
27128	173+22.50	48.06'	631155.8020	593186.1768
27129	173+22.47	54.56'	631150.3477	593189.7124

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

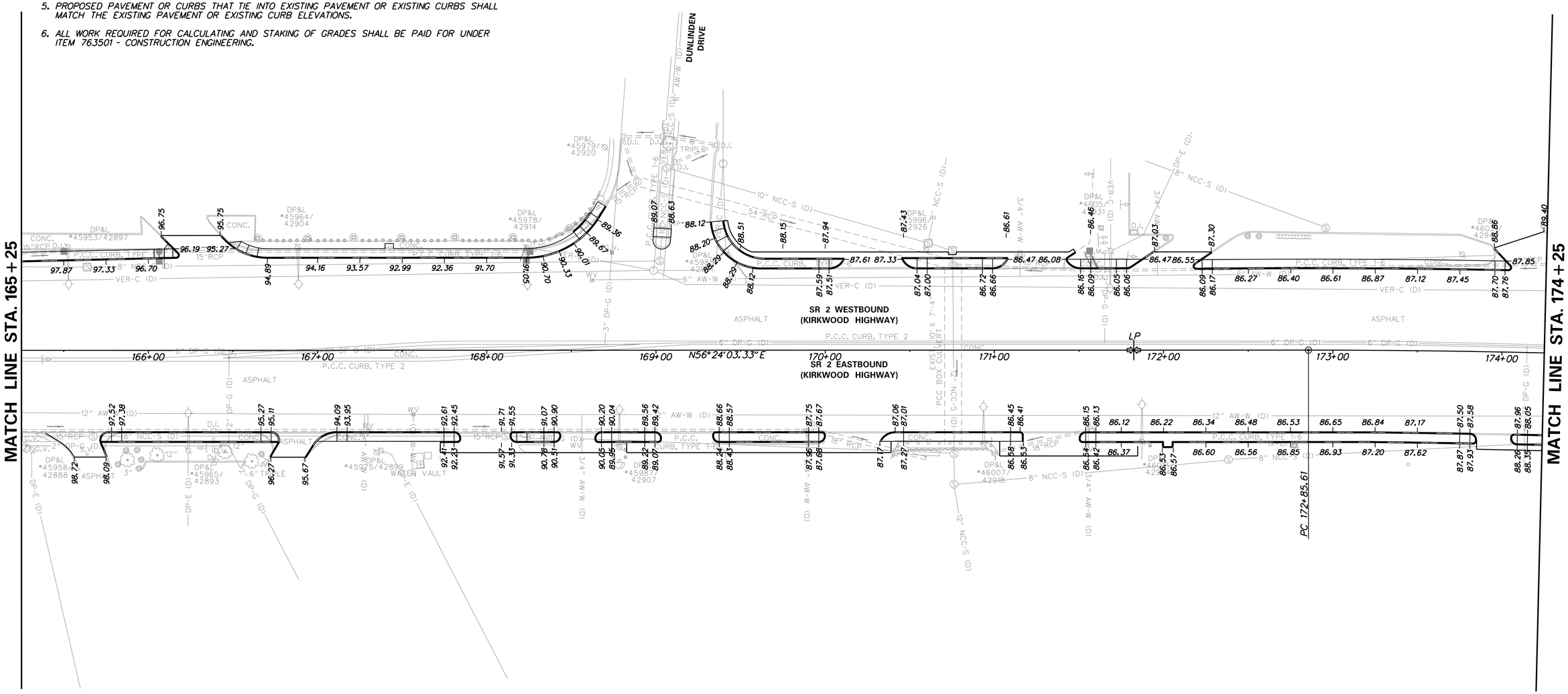
GG-13

SECTION WRA

SHEET NO. 40

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



ADDENDA / REVISIONS	

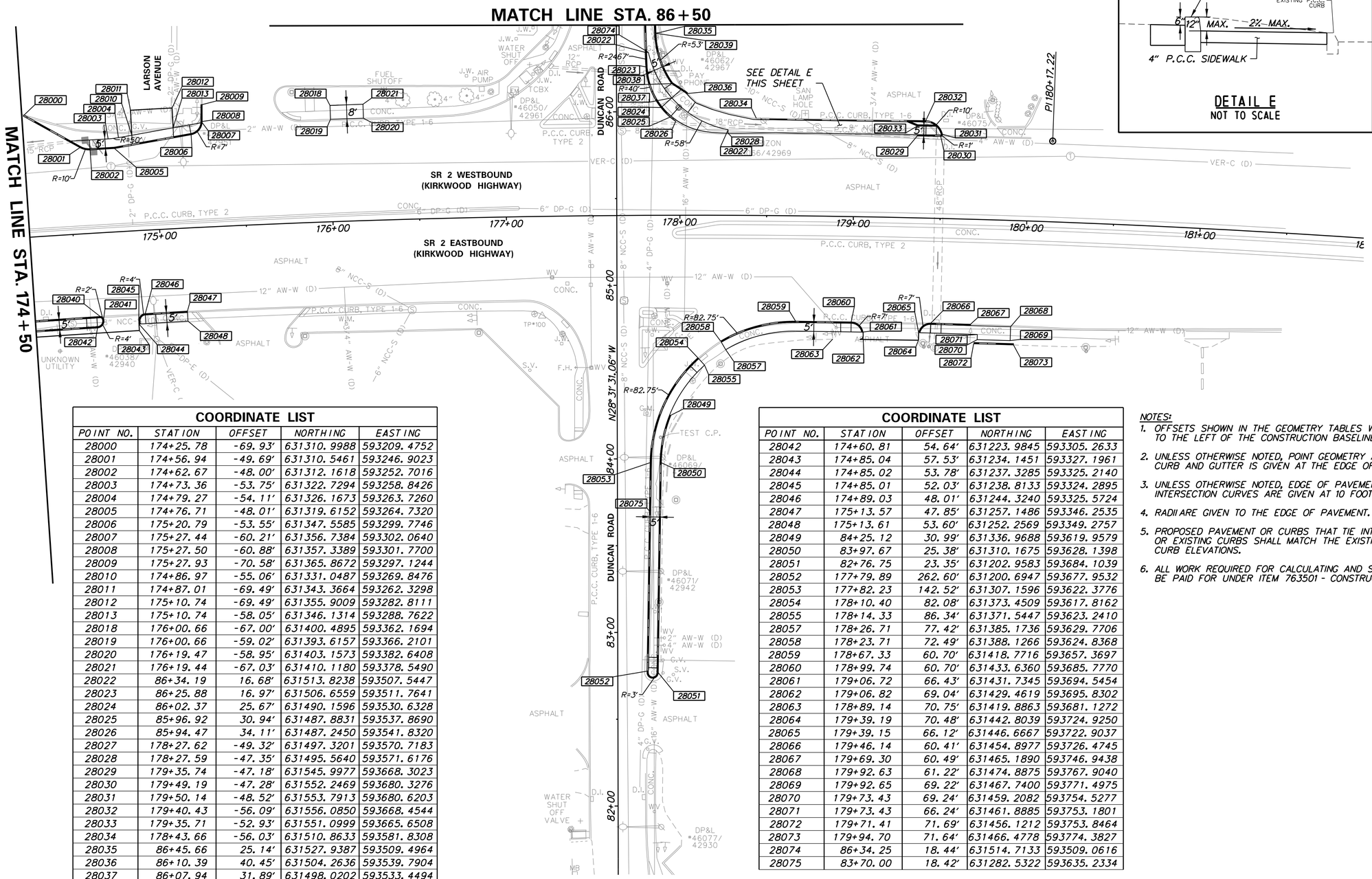
SCALE
0 30 60 90
FEET

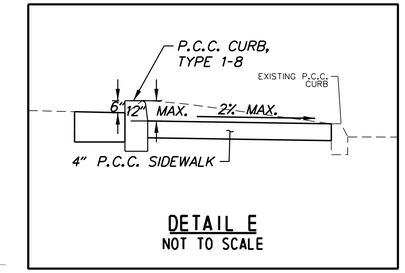
SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

GG-14
SECTION
WRA
SHEET NO.
41





COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
28000	174+25.78	-69.93'	631310.9988	593209.4752
28001	174+56.94	-49.69'	631310.5461	593246.9023
28002	174+62.67	-48.00'	631312.1618	593252.7016
28003	174+73.36	-53.75'	631322.7294	593258.8426
28004	174+79.27	-54.11'	631326.1673	593263.7260
28005	174+76.71	-48.01'	631319.6152	593264.7320
28006	175+20.79	-53.55'	631347.5585	593299.7746
28007	175+27.44	-60.21'	631356.7384	593302.0640
28008	175+27.50	-60.88'	631357.3389	593301.7700
28009	175+27.93	-70.58'	631365.8672	593297.1244
28010	174+86.97	-55.06'	631331.0487	593269.8476
28011	174+87.01	-69.49'	631343.3664	593262.3298
28012	175+10.74	-69.49'	631355.9009	593282.8111
28013	175+10.74	-58.05'	631346.1314	593288.7622
28018	176+00.66	-67.00'	631400.4895	593362.1694
28019	176+00.66	-59.02'	631393.6157	593366.2101
28020	176+19.47	-58.95'	631403.1573	593382.6408
28021	176+19.44	-67.03'	631410.1180	593378.5490
28022	86+34.19	16.68'	631513.8238	593507.5447
28023	86+25.88	16.97'	631506.6559	593511.7641
28024	86+02.37	25.67'	631490.1596	593530.6328
28025	85+96.92	30.94'	631487.8831	593537.8690
28026	85+94.47	34.11'	631487.2450	593541.8320
28027	178+27.62	-49.32'	631497.3201	593570.7183
28028	178+27.59	-47.35'	631495.5640	593571.6176
28029	179+35.74	-47.18'	631545.9977	593668.3023
28030	179+49.19	-47.28'	631552.2469	593680.3276
28031	179+50.14	-48.52'	631553.7913	593680.6203
28032	179+40.43	-56.09'	631556.0850	593668.4544
28033	179+35.71	-52.93'	631551.0999	593665.6508
28034	178+43.66	-56.03'	631510.8633	593581.8308
28035	86+45.66	25.14'	631527.9387	593509.4964
28036	86+10.39	40.45'	631504.2636	593539.7904
28037	86+07.94	31.89'	631498.0202	593533.4494
28038	86+16.15	31.75'	631505.1678	593529.4037
28039	86+45.28	22.10'	631526.1549	593507.0075
28040	174+62.74	48.13'	631230.5210	593303.4543
28041	174+64.70	49.62'	631230.2773	593305.8917

COORDINATE LIST

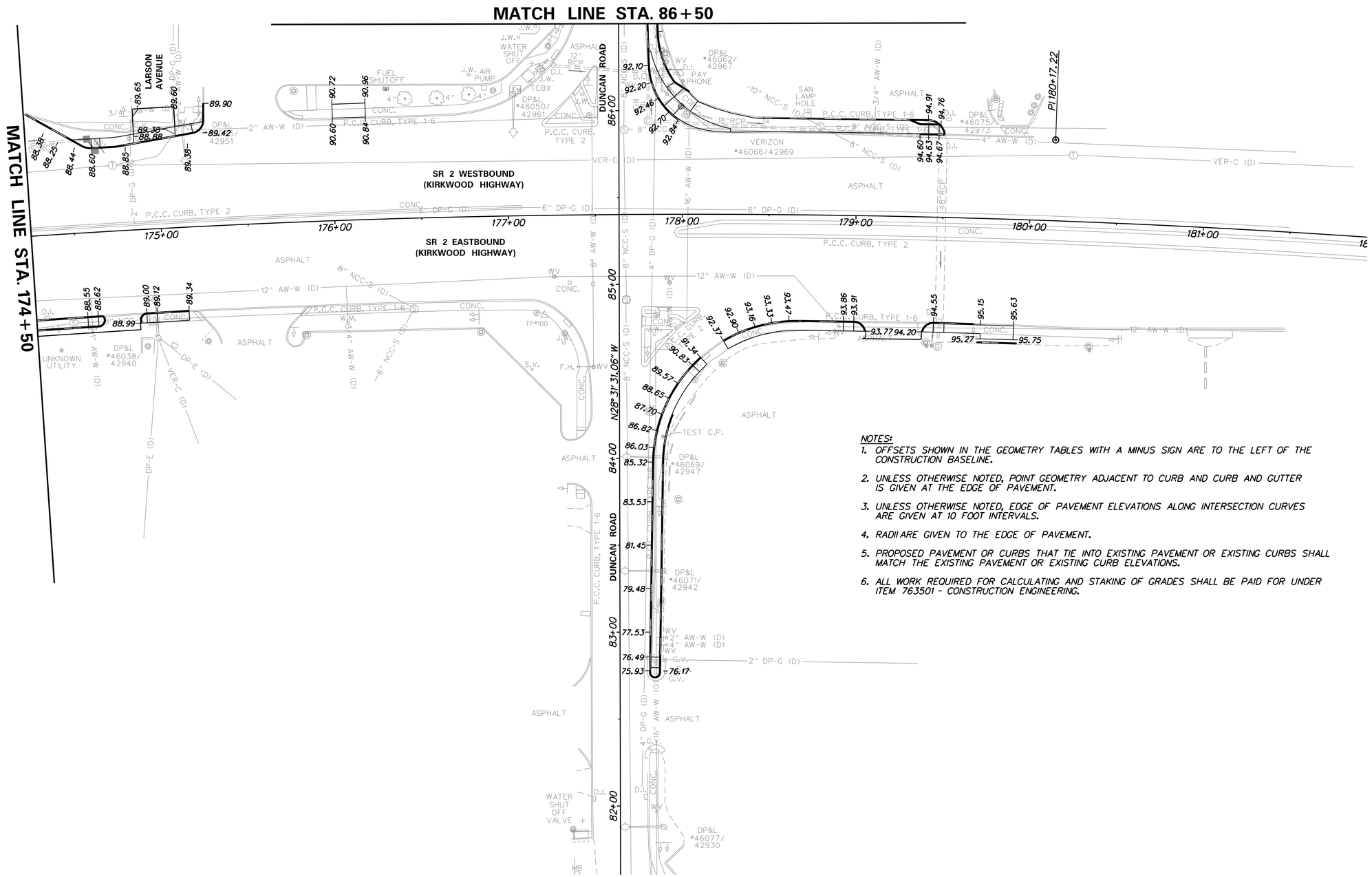
POINT NO.	STATION	OFFSET	NORTHING	EASTING
28042	174+60.81	54.64'	631223.9845	593305.2633
28043	174+85.04	57.53'	631234.1451	593327.1961
28044	174+85.02	53.78'	631237.3285	593325.2140
28045	174+85.01	52.03'	631238.8133	593324.2895
28046	174+89.03	48.01'	631244.3240	593325.5724
28047	175+13.57	47.85'	631257.1486	593346.2535
28048	175+13.61	53.60'	631252.2569	593349.2757
28049	84+25.12	30.99'	631336.9688	593619.9579
28050	83+97.67	25.38'	631310.1675	593628.1398
28051	82+76.75	23.35'	631202.9583	593684.1039
28052	177+79.89	262.60'	631200.6947	593677.9532
28053	177+82.23	142.52'	631307.1596	593622.3776
28054	178+10.40	82.08'	631373.4509	593617.8162
28055	178+14.33	86.34'	631371.5447	593623.2410
28057	178+26.71	77.42'	631385.1736	593629.7706
28058	178+23.71	72.49'	631388.1266	593624.8368
28059	178+67.33	60.70'	631418.7716	593657.3697
28060	178+99.74	60.70'	631433.6360	593685.7770
28061	179+06.72	66.43'	631431.7345	593694.5454
28062	179+06.82	69.04'	631429.4619	593695.8302
28063	178+89.14	70.75'	631419.8863	593681.1272
28064	179+39.19	70.48'	631442.8039	593724.9250
28065	179+39.15	66.12'	631446.6667	593722.9037
28066	179+46.14	60.41'	631454.8977	593726.4745
28067	179+69.30	60.49'	631465.1890	593746.9438
28068	179+92.63	61.22'	631474.8875	593767.9040
28069	179+92.65	69.22'	631467.7400	593771.4975
28070	179+73.43	69.24'	631459.2082	593754.5277
28071	179+73.43	66.24'	631461.8885	593753.1801
28072	179+71.41	71.69'	631456.1212	593753.8464
28073	179+94.70	71.64'	631466.4778	593774.3827
28074	86+34.25	18.44'	631514.7133	593509.0616
28075	83+70.00	18.42'	631282.5322	593635.2334

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

GG-15

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	GRADES AND GEOMETRICS	SECTION WRA
			COUNTY NEW CASTLE	DESIGNED BY: D. POLLET		SHEET NO. 42
				CHECKED BY: T. OLIVER		



NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

GG-16

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

GRADES AND GEOMETRICS

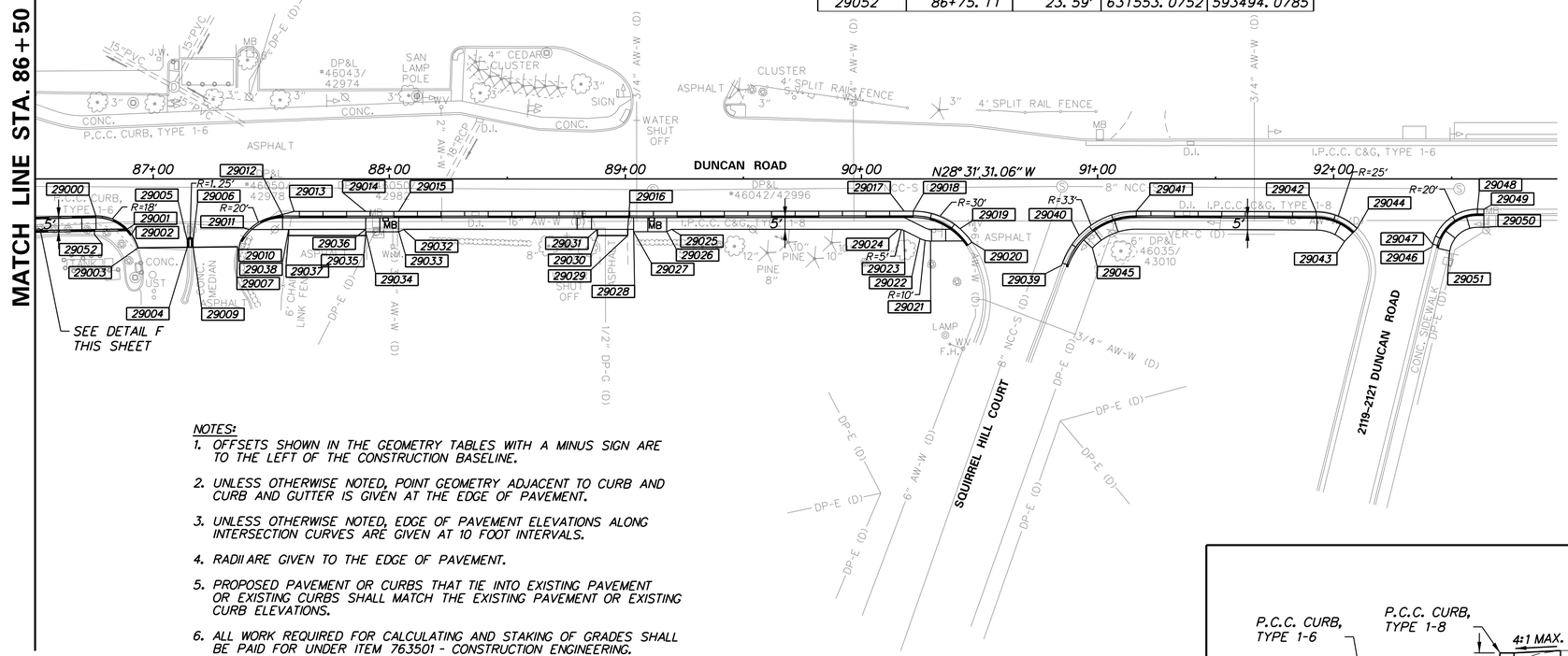
SECTION
WRA
SHEET NO.
43

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
29000	86+75.73	15.68'	631549.8404	593486.8304
29001	86+89.04	21.26'	631564.1987	593485.3748
29002	86+90.90	23.56'	631566.9295	593486.5091
29003	86+93.59	29.21'	631571.9972	593490.1873
29004	87+14.44	28.99'	631590.2099	593480.0408
29005	87+14.41	25.97'	631588.7371	593477.3973
29006	87+16.91	26.00'	631590.9501	593476.2326
29007	87+35.81	28.77'	631608.8820	593469.6383
29009	87+16.94	28.97'	631592.3938	593478.8241
29010	87+37.00	26.39'	631608.7894	593466.9754
29011	87+40.66	21.47'	631609.6506	593460.9074
29012	87+55.02	15.71'	631619.5262	593448.9922
29013	87+59.73	13.79'	631622.7392	593445.0573
29014	87+89.99	13.78'	631649.3268	593430.5902
29015	88+03.99	13.77'	631661.6242	593423.8989
29016	89+00.98	21.39'	631750.4752	593384.2805
29017	90+18.08	13.67'	631849.6746	593321.5749
29018	90+21.91	13.67'	631853.0398	593319.7438
29019	90+41.80	21.07'	631874.0431	593316.7456
29020	90+46.74	26.81'	631881.1296	593319.4321
29021	90+29.27	26.33'	631865.5482	593327.3580
29022	90+24.79	25.28'	631861.1154	593328.5682
29023	90+17.96	21.87'	631853.4806	593328.8330
29024	90+15.72	21.34'	631851.2642	593329.4381
29025	89+19.55	21.38'	631766.7905	593375.4028

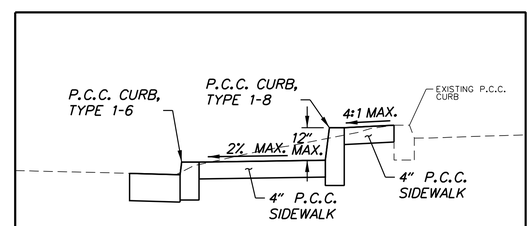
COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
29026	89+17.55	22.38'	631765.5117	593377.2371
29027	89+03.48	22.39'	631753.1491	593383.9640
29028	89+03.48	21.39'	631752.6711	593383.0856
29029	89+00.98	24.00'	631751.7215	593386.5709
29030	88+88.17	24.00'	631740.4655	593392.6888
29031	88+88.17	21.40'	631739.2221	593390.4036
29032	88+06.00	21.44'	631667.0453	593429.6772
29033	88+04.00	22.44'	631665.7665	593431.5115
29034	87+90.00	22.44'	631653.4691	593438.2029
29035	87+90.00	24.00'	631654.2127	593439.5695
29036	87+90.00	21.44'	631652.9911	593437.3245
29037	87+57.36	24.00'	631625.5388	593455.1546
29038	87+57.36	21.46'	631624.3245	593452.9229
29039	90+84.81	36.59'	631919.2495	593309.8405
29040	90+92.21	24.05'	631919.7621	593295.2950
29041	91+16.41	13.65'	631936.0562	593274.6042
29042	91+92.60	14.00'	632003.1655	593238.5278
29043	92+04.59	26.53'	632019.6851	593243.8075
29044	92+09.89	20.99'	632021.6980	593236.4097
29045	90+97.80	29.30'	631927.1778	593297.2408
29046	92+41.70	28.78'	632053.3715	593228.0726
29047	92+41.98	27.67'	632053.0772	593226.9580
29048	92+60.87	12.84'	632062.5929	593204.9034
29049	92+63.63	12.84'	632065.0179	593203.5848
29050	92+63.63	20.51'	632068.6791	593210.3208
29051	92+49.15	30.62'	632060.7842	593226.1158
29052	86+75.11	23.59'	631553.0752	593494.0785



NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



DETAIL F
NOT TO SCALE

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

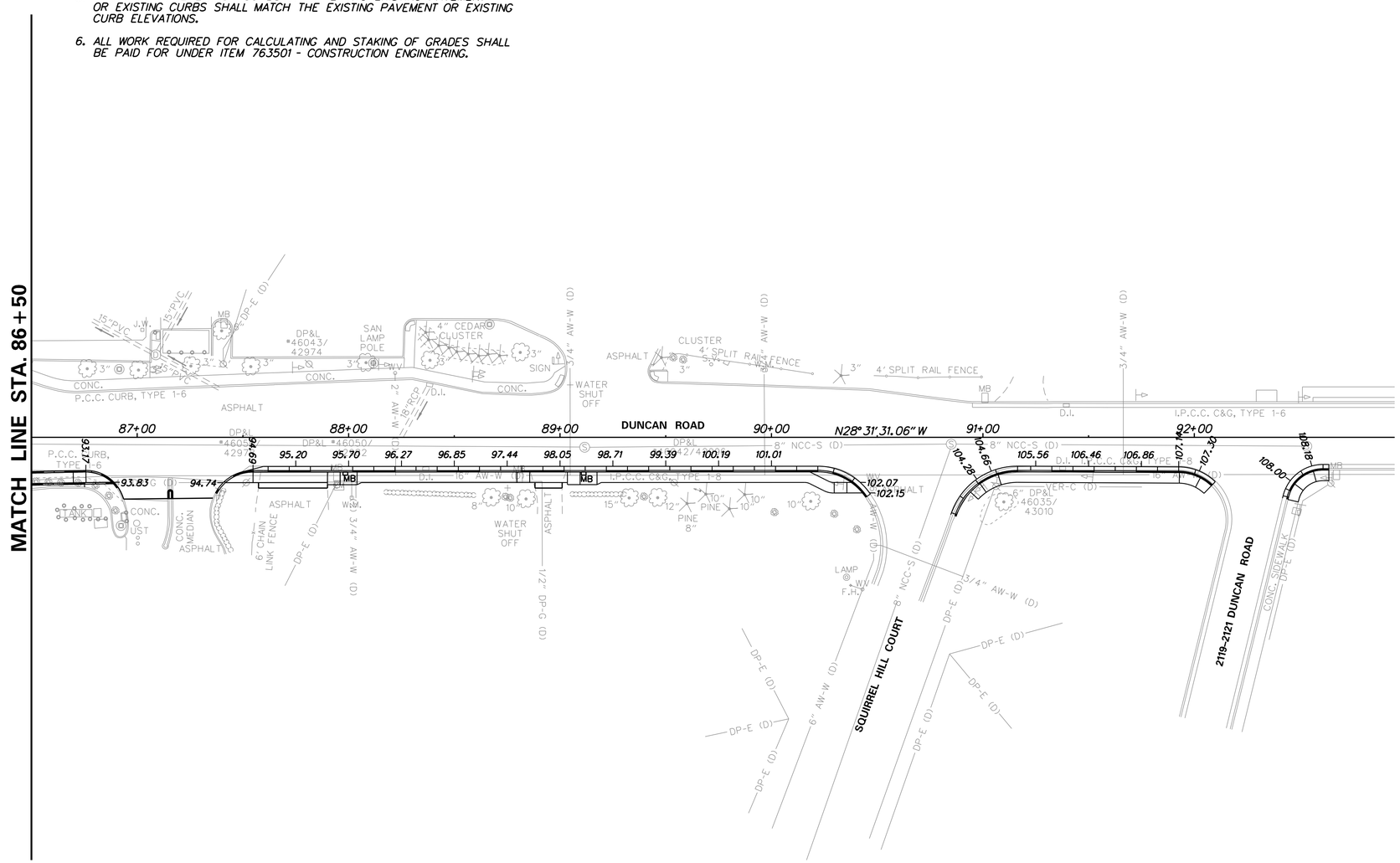
GG-17

SECTION WRA

SHEET NO. 44

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



ADDENDA / REVISIONS	

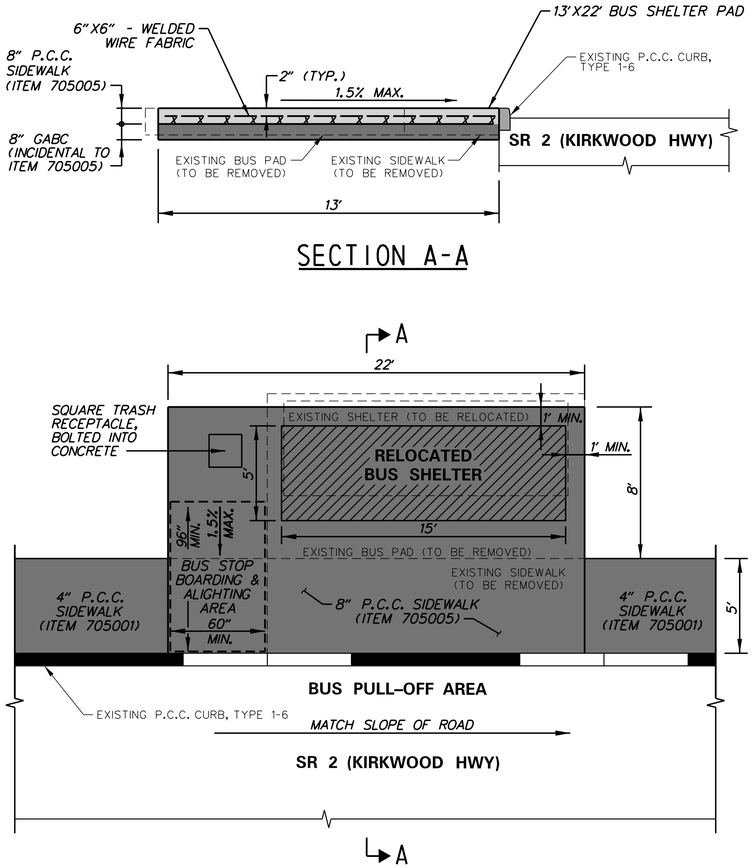
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

GRADES AND GEOMETRICS

GG-18
SECTION
WRA
SHEET NO.
45

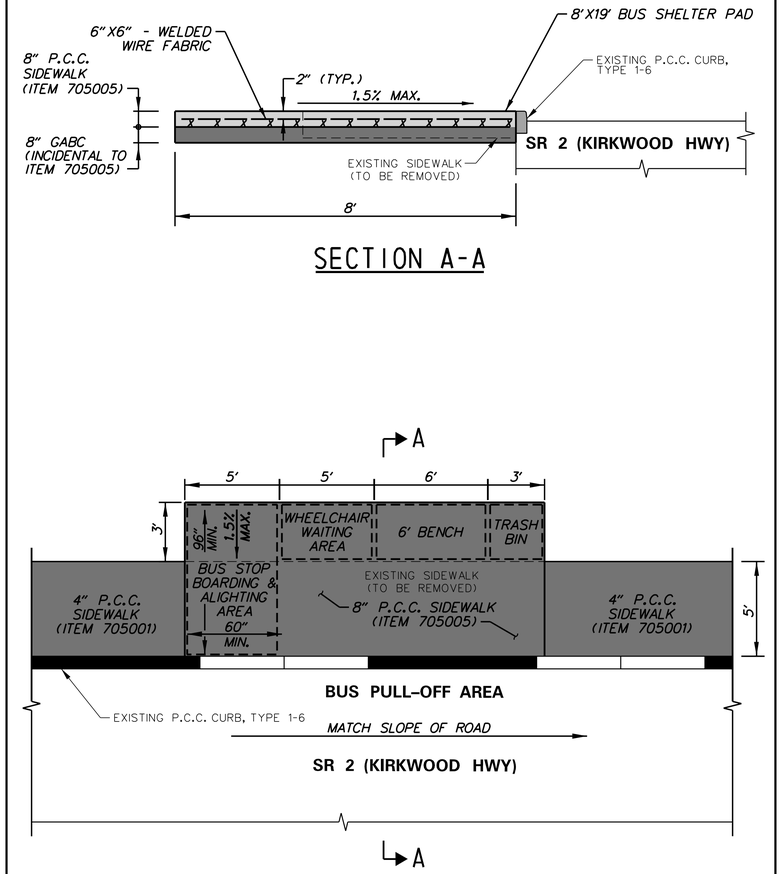


TYPE 1 BUS STOP SHELTER PAD DETAIL

NOT TO SCALE

NOTES:

1. THE EXISTING BUS SHELTER SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT DTC'S FACILITIES COORDINATOR, VINCENT DAMIANI, (302) 576-6094, PRIOR TO REMOVAL TO COORDINATE STORAGE AND INSTALLATION OF THE RELOCATED BUS SHELTER AND TRASH RECEPTACLE. PAYMENT FOR ALL ABOVE WORK IS INCIDENTAL TO ITEM 705005.
2. THE CROSS SLOPE OF THE SHELTER AND LANDING PAD SHALL BE A MAXIMUM OF 1.5%.
3. THE PROPOSED WELDED WIRE FABRIC SHALL BE INCIDENTAL TO ITEM 705005 - P.C.C. SIDEWALK, 8".
4. THE PROPOSED AREA BETWEEN THE BACK OF CURB AND FRONT OF BUS SHELTER SHALL BE APPROXIMATELY 12' FEET WIDE. THIS AREA SHALL REMAIN FREE OF OBSTRUCTIONS.

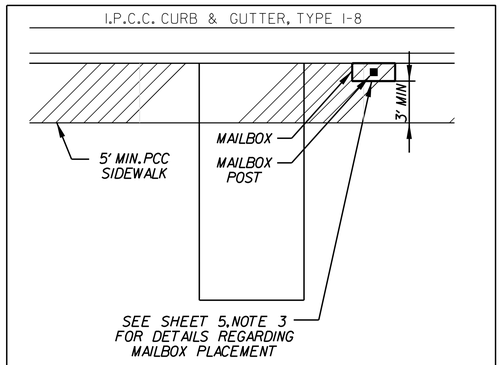


BUS STOP PAD WITH BENCH DETAIL

NOT TO SCALE

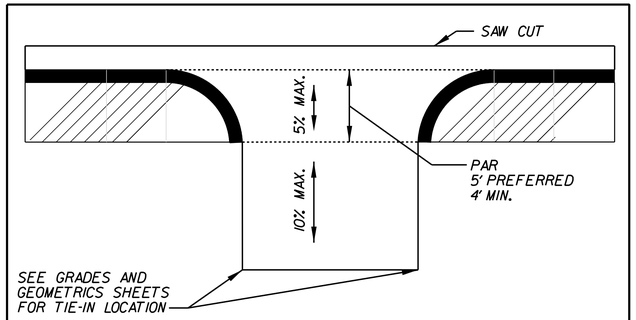
NOTES:

1. THE CONTRACTOR SHALL REMOVE ANY EXISTING BENCHES AND TRASH CANS AND CONSTRUCT PROPOSED BUS STOP PAD. THE CONTRACTOR SHALL CONTACT DTC'S FACILITIES COORDINATOR, VINCENT DAMIANI, (302) 576-6094, PRIOR TO REMOVAL OF ANY DTC PROPERTY TO COORDINATE ITEM STORAGE AND INSTALLATION. PAYMENT FOR ALL ABOVE WORK IS INCIDENTAL TO ITEM 705005.
2. THE CROSS SLOPE OF THE BUS STOP PAD SHALL BE A MAXIMUM OF 1.5%.
3. THE PROPOSED WELDED WIRE FABRIC SHALL BE INCIDENTAL TO ITEM 705005 - P.C.C. SIDEWALK, 8".



MAILBOX POST PLACEMENT DETAIL WITHOUT GRASS STRIP

SCALE: NONE



COMMERCIAL DRIVEWAY RECONSTRUCTION DETAIL

SCALE: NONE

ADDENDA / REVISIONS		NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	CONSTRUCTION DETAILS	SECTION WRA
				COUNTY NEW CASTLE	DESIGNED BY: D. POLLET		SHEET NO. 46
					CHECKED BY: T. OLIVER		

GENERAL TRAFFIC CONTROL NOTES

1.

EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
( ) INSIGNIFICANT	NONE
(X) MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
( ) MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 6.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

2. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

( )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
(X)	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

3. THE DISTURBED AREA FOR THIS PROJECT IS 0.74 ACRES.

4. TOTAL IMPERVIOUS AREA ADDED AS A RESULT OF THIS PROJECT IS 0.10 ACRES.

5. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A FIVE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:
   - TA-3A - WORK ON THE SHOULDER OF A MULTI-LANE, DIVIDED HIGHWAY
   - TA-10 - LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS
   - TA-33 - STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY
   - TA-35B - MOBILE STRIPING OPERATIONS ON A MULTI-LANE DIVIDED HIGHWAY WITH A SINGLE CONVOY

7. THE CONTRACTOR SHALL ADD THE BICYCLE IN LANE WARNING SIGN (W11-1-DE) TO THE TYPICAL APPLICATION SIGN STACK DURING WORK ON SR 2.

8. THE CONTRACTOR SHALL ONLY EXCAVATE AN AREA WITHIN THE EXISTING PAR THAT CAN BE RESTORED USING AN ACCEPTABLE MATERIAL FOR TEMPORARY PEDESTRIAN PATHS AT THE END OF EACH WORK DAY. PAYMENT FOR TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000. SEE TYPICAL PEDESTRIAN DIVERSION DETAIL ON SHEET 48.

9. THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (GABC) IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER THE BITUMINOUS CONCRETE MILLING ITEM.

   MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:

   a. DRIVEWAYS
   b. ENTRANCES
   c. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
   d. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
   e. EDGE OF ROADWAY DROP-OFF

   GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS OR GABC TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

   VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

10. ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS.

11. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY WORK THAT WILL IMPACT ACCESS TO THEIR PROPERTY.

12. TRAFFIC IMPACTS DUE TO CONSTRUCTION ACTIVITIES SHALL BE GOVERNED BY THE FOLLOWING RESTRICTIONS:

SR 2 and Duncan Rd Allowable Lane Closure Hours

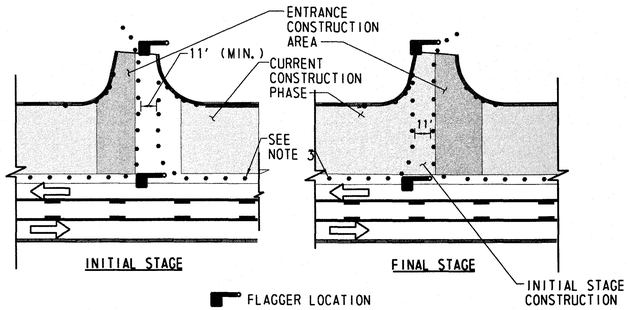
	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SUNDAY	1	1	1	1	1	1																1	1	1
MONDAY	1	1	1	1	1	1																1	1	1
TUESDAY	1	1	1	1	1	1																1	1	1
WEDNESDAY	1	1	1	1	1	1																1	1	1
THURSDAY	1	1	1	1	1	1																1	1	1
FRIDAY	1	1	1	1	1	1																1	1	1
SATURDAY	1	1	1	1	1	1																1	1	1

1 only one through lane and/or one auxiliary lane closed
no lane closures (all lanes open)

13. FOR NIGHT-TIME LANE CLOSURES AT SIGNALIZED INTERSECTIONS, PROVIDE ONE TRAFFIC OFFICER AT A LOCATION DETERMINED BY THE ENGINEER. TRAFFIC OFFICERS SHALL BE PLACED WITH THE VEHICLE FACING APPROACHING TRAFFIC AND ALL EMERGENCY LIGHTS SHALL BE ACTIVATED.

Vincent W. Davis — 1 APR 20
DELDOT STORMWATER ENGINEER — DATE

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS AND THAT ALL CLEARING, GRADING, AND CONSTRUCTION WILL BE ACCOMPLISHED PURSUANT TO THE PLAN."



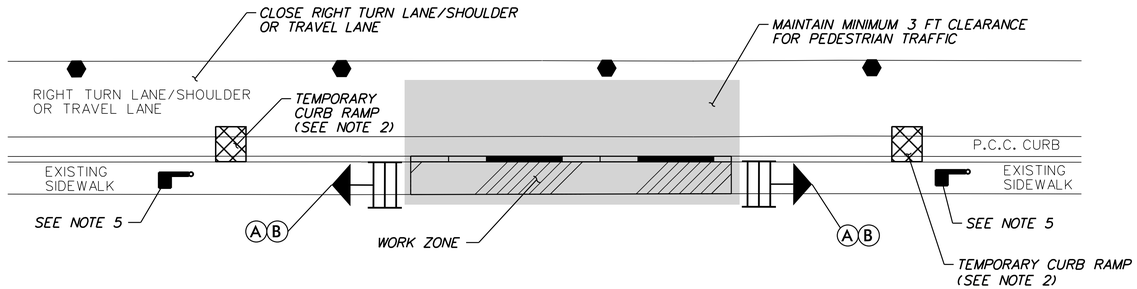
TYPICAL DRIVEWAY/ ENTRANCE RECONSTRUCTION

NOT TO SCALE

NOTES:

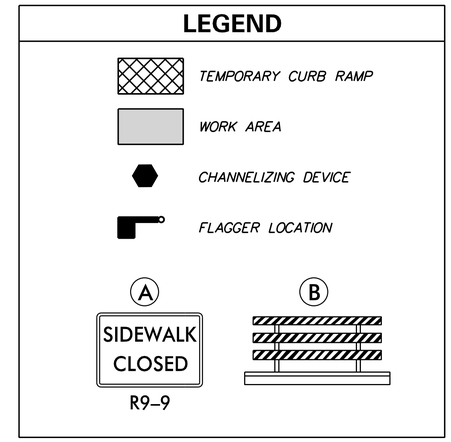
1. THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE AS INDICATED ON THE PLANS, DURING DAYLIGHT HOURS ONLY, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
2. CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT 11' ON EDGE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
3. TRAFFIC CONTROL DEVICES ALONG MAINLINE ROADWAY SHALL BE AS SHOWN ON CONSTRUCTION PHASING PLANS.
4. DEPENDING ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF DELDOT TRAFFIC ENGINEER OR DESIGNEE.

ADDENDA / REVISIONS		NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	GENERAL TRAFFIC CONTROL NOTES	SECTION WRA
				COUNTY NEW CASTLE	DESIGNED BY: S. BEALL		SHEET NO. 47
					CHECKED BY: T. OLIVER		



TYPICAL PEDESTRIAN DIVERSION DETAIL

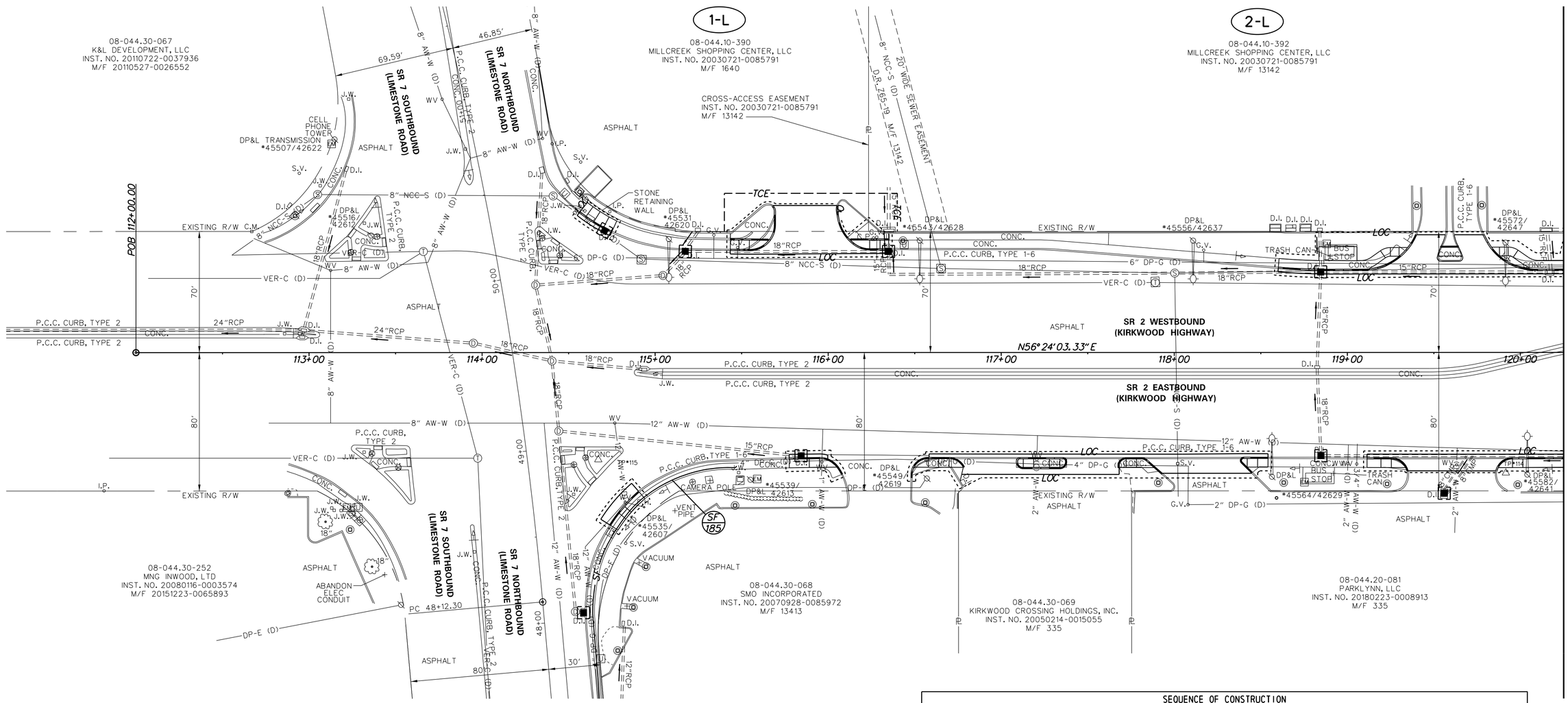
NOT TO SCALE



NOTES:

1. DURING SIDEWALK CLOSURES THE CONTRACTOR SHALL PROVIDE FLAGGERS EXCLUSIVELY FOR PEDESTRIAN MOT.
2. TEMPORARY CURB RAMPS ARE NOT REQUIRED AT ALL LOCATIONS AND SHALL ONLY BE USED WHEN DIRECTED BY THE ENGINEER. WHEN USED, EACH CURB RAMP SHALL BE PLACED TO AVOID CONFLICT WITH EXISTING DRIVEWAYS AND INLETS. THE CURB RAMP WIDTH SHALL BE A MINIMUM OF 4' WIDE AND BE MADE OF AN ACCEPTABLE MATERIAL FOR TEMPORARY PEDESTRIAN PATHS (SEE CS-01). TEMPORARY CURB RAMPS SHALL BE PAID FOR UNDER ITEM 705528.
3. BARRICADE POSITIONING SHOULD VARY BASED ON WORK ZONE LIMIT AND CORRESPONDING DIVERSION POINT.
4. THE WORK AREA SHALL BE RESTORED AT THE END OF EACH WORK DAY USING AN ACCEPTABLE MATERIAL FOR TEMPORARY PEDESTRIAN PATHS. PAYMENT FOR TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000.
5. FLAGGERS SHALL NOT STOP TRAFFIC ON SR 2.

ADDENDA / REVISIONS		NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	TRAFFIC CONTROL DETAILS	SECTION WRA
				COUNTY NEW CASTLE	DESIGNED BY: D. POLLET		SHEET NO. 48
					CHECKED BY: T. OLIVER		



EROSION & SEDIMENT CONTROL

	INLET SEDIMENT CONTROL
	STONE CHECK DAM
SCE	*STABILIZED CONSTRUCTION ENTRANCE*
SF	*SILT FENCE / LENGTH*
—SF—	*SILT FENCE*
—RSF—	*SILT FENCE - REINFORCED*

SEQUENCE OF CONSTRUCTION

1. INSTALL MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE DELAWARE MUTCD. REFER TO SHEET 48 FOR THE TYPICAL PEDESTRIAN DETOUR DETAIL. LANE CLOSURES ARE ONLY PERMITTED DURING ALLOWABLE LANE CLOSURE HOURS, AS SHOWN IN THE MATRIX PROVIDED ON SHEET 48.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLANS.
3. INSTALL PROPOSED DRAINAGE BEGINNING AT THE OUTFALL AND WORKING UPSTREAM. POSITIVE DRAINAGE SHALL BE MAINTAINED DURING CONSTRUCTION TO PREVENT PONDING OF WATER ON THE ROADWAY.
4. EXCAVATE FOR AND CONSTRUCT PROPOSED CURB, GUTTER, SIDEWALK, AND PAVEMENT PATCHING AS SHOWN ON THE PLANS.
5. INSTALL PROPOSED SIGNING AND STRIPING.
6. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.

ADDENDA / REVISIONS

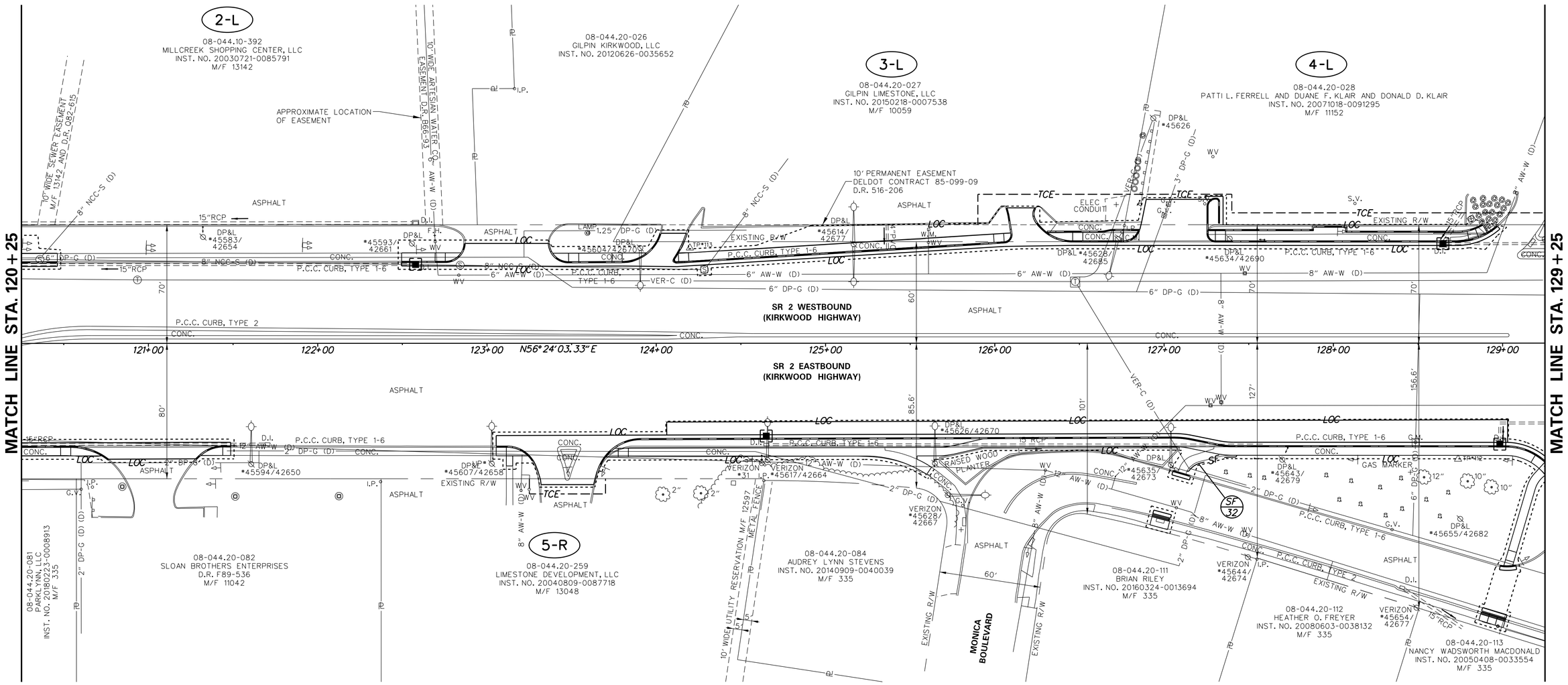
SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
49



ADDENDA / REVISIONS	

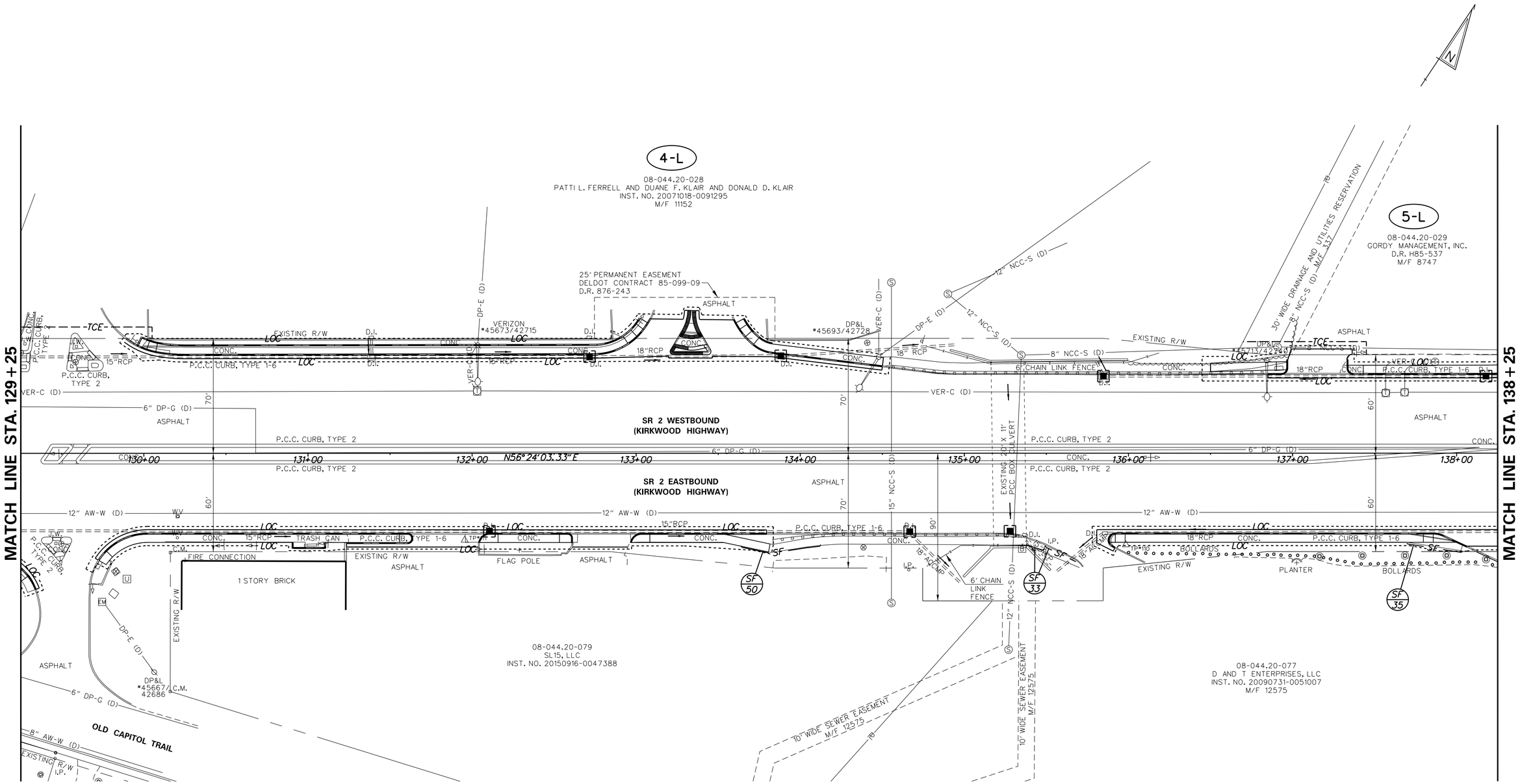
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
50



ADDENDA / REVISIONS	

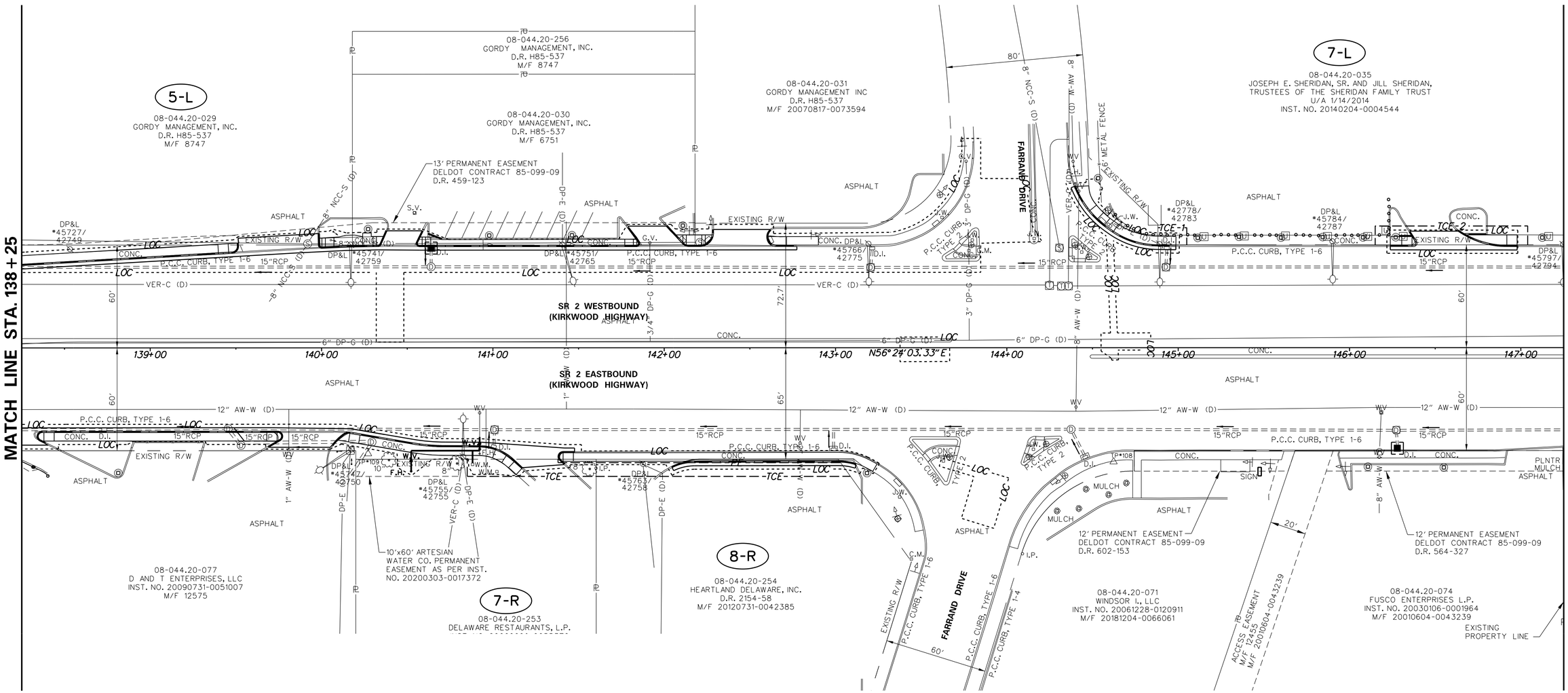
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
51



ADDENDA / REVISIONS	

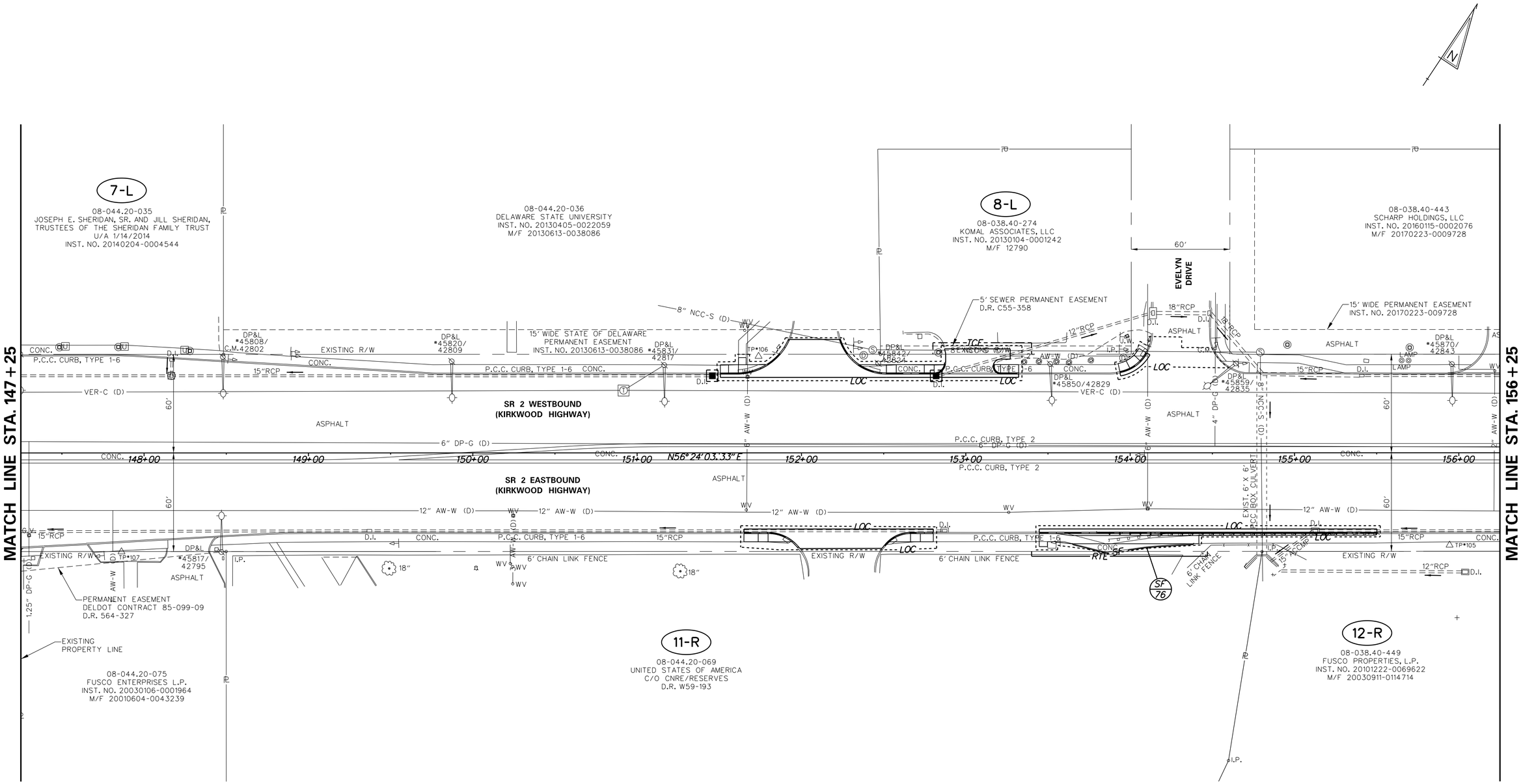
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
52



ADDENDA / REVISIONS	

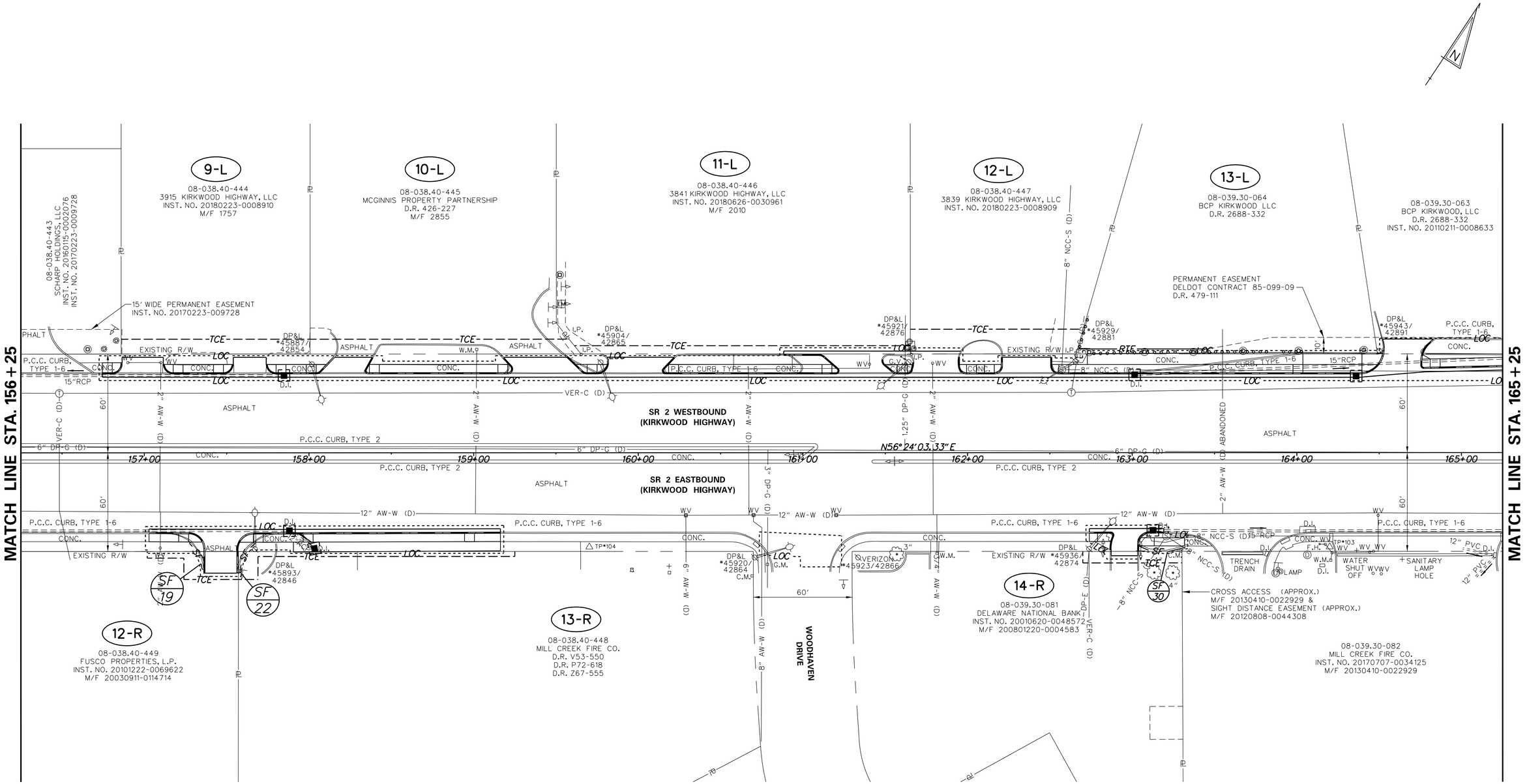
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
53



ADDENDA / REVISIONS	

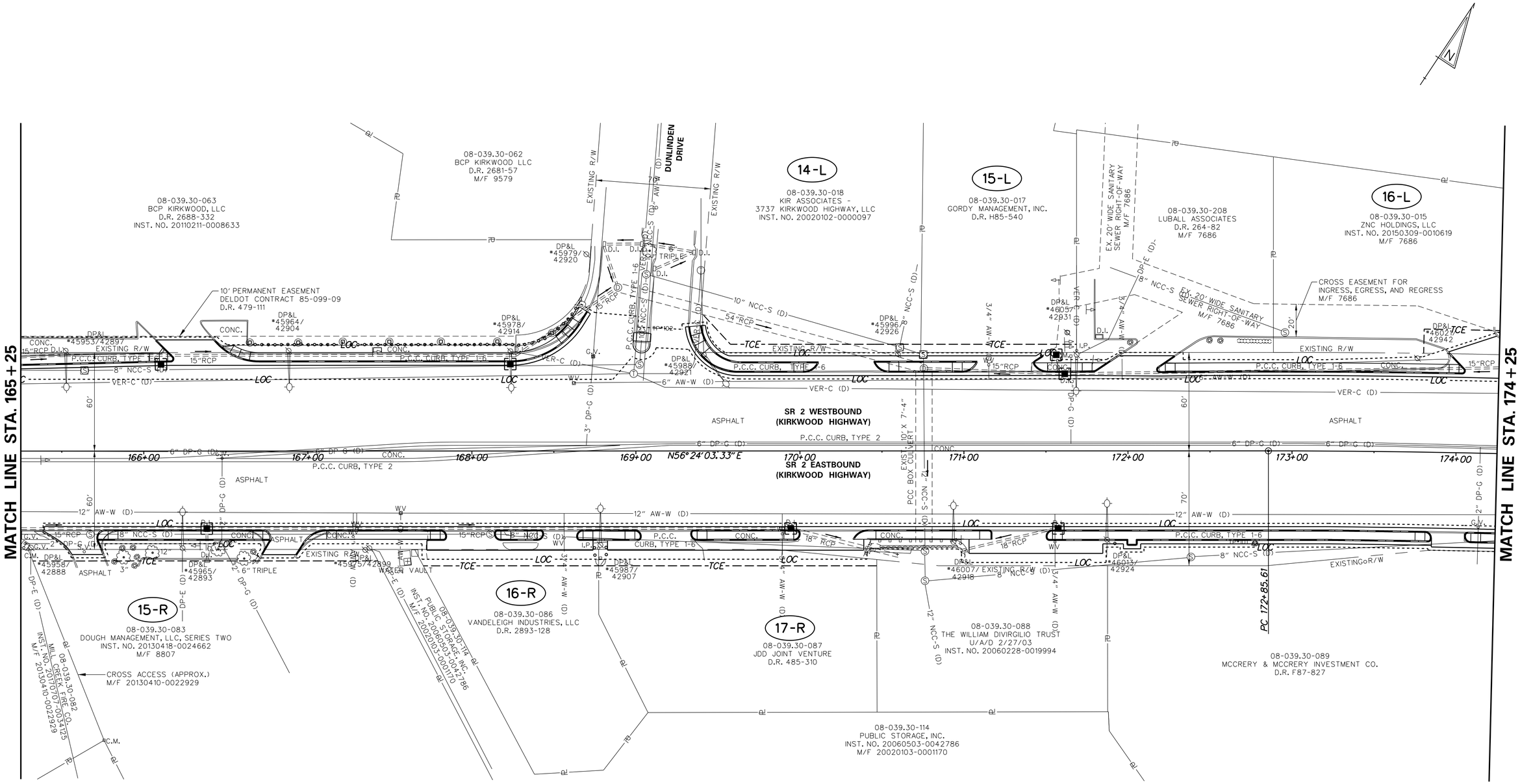
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
54



ADDENDA / REVISIONS	

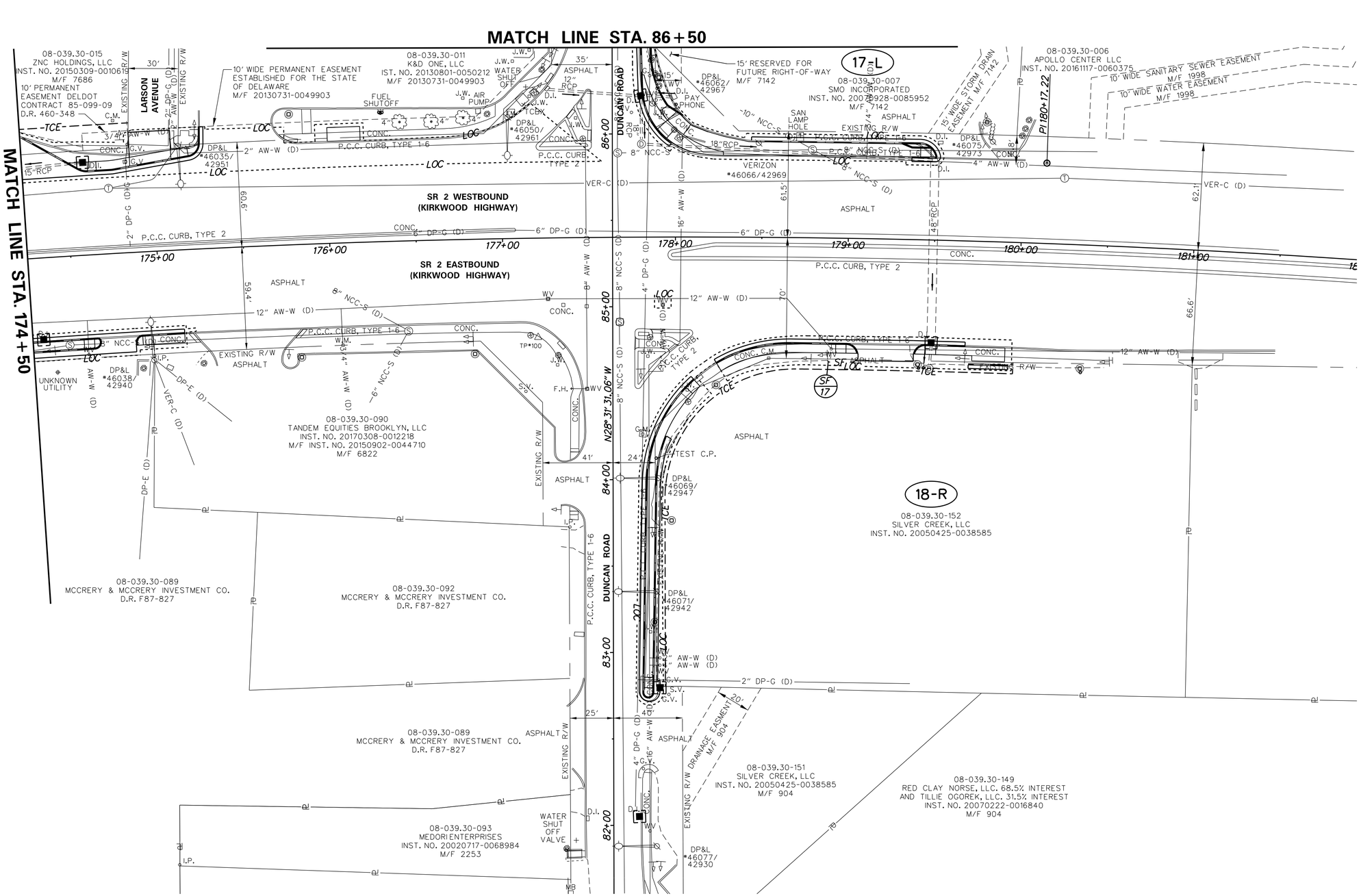
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
55



ADDENDA / REVISIONS	

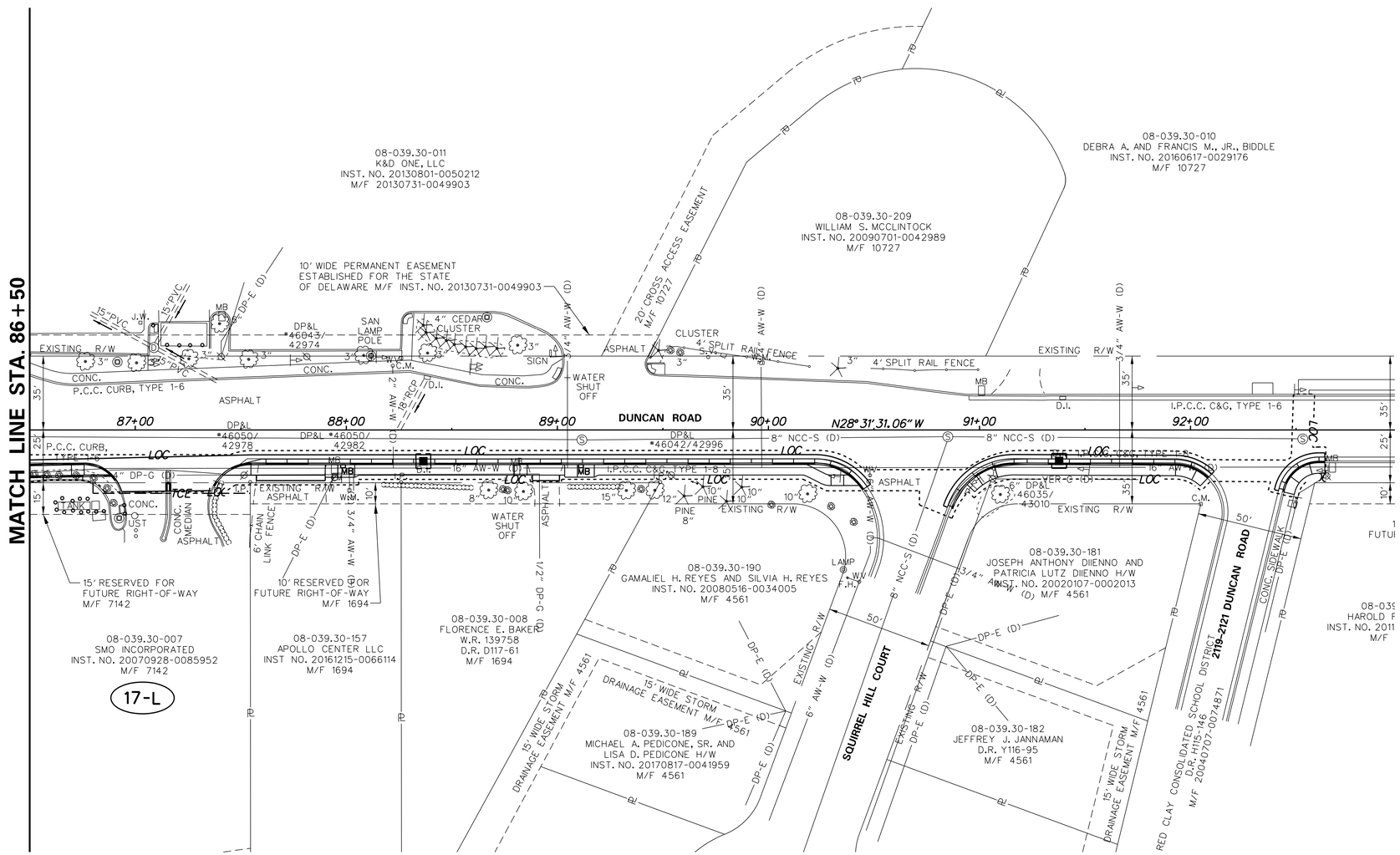
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
56



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: S. BEALL	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

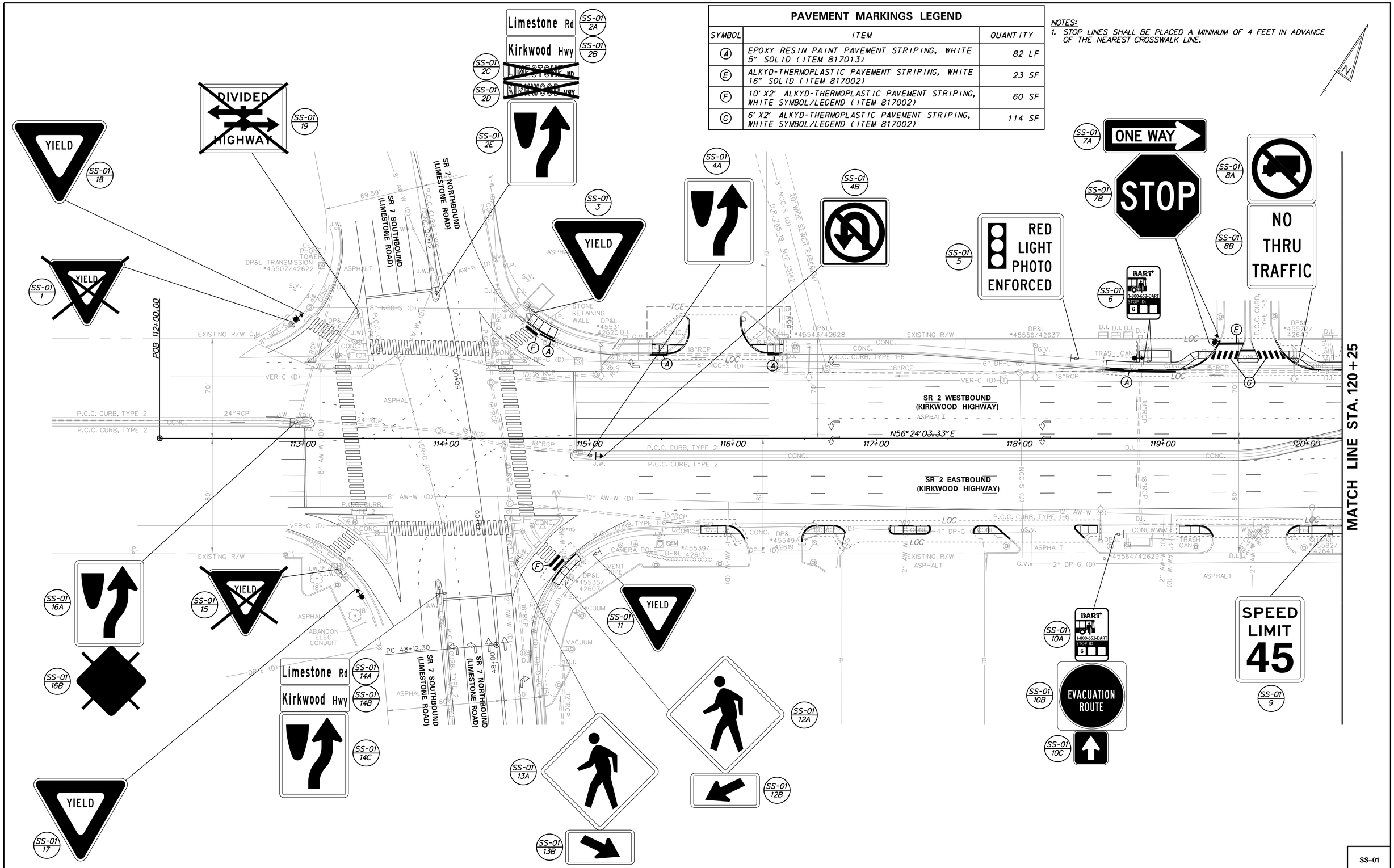
CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN

SECTION
WRA
SHEET NO.
57

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	82 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	23 SF
F	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	60 SF
G	6' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	114 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

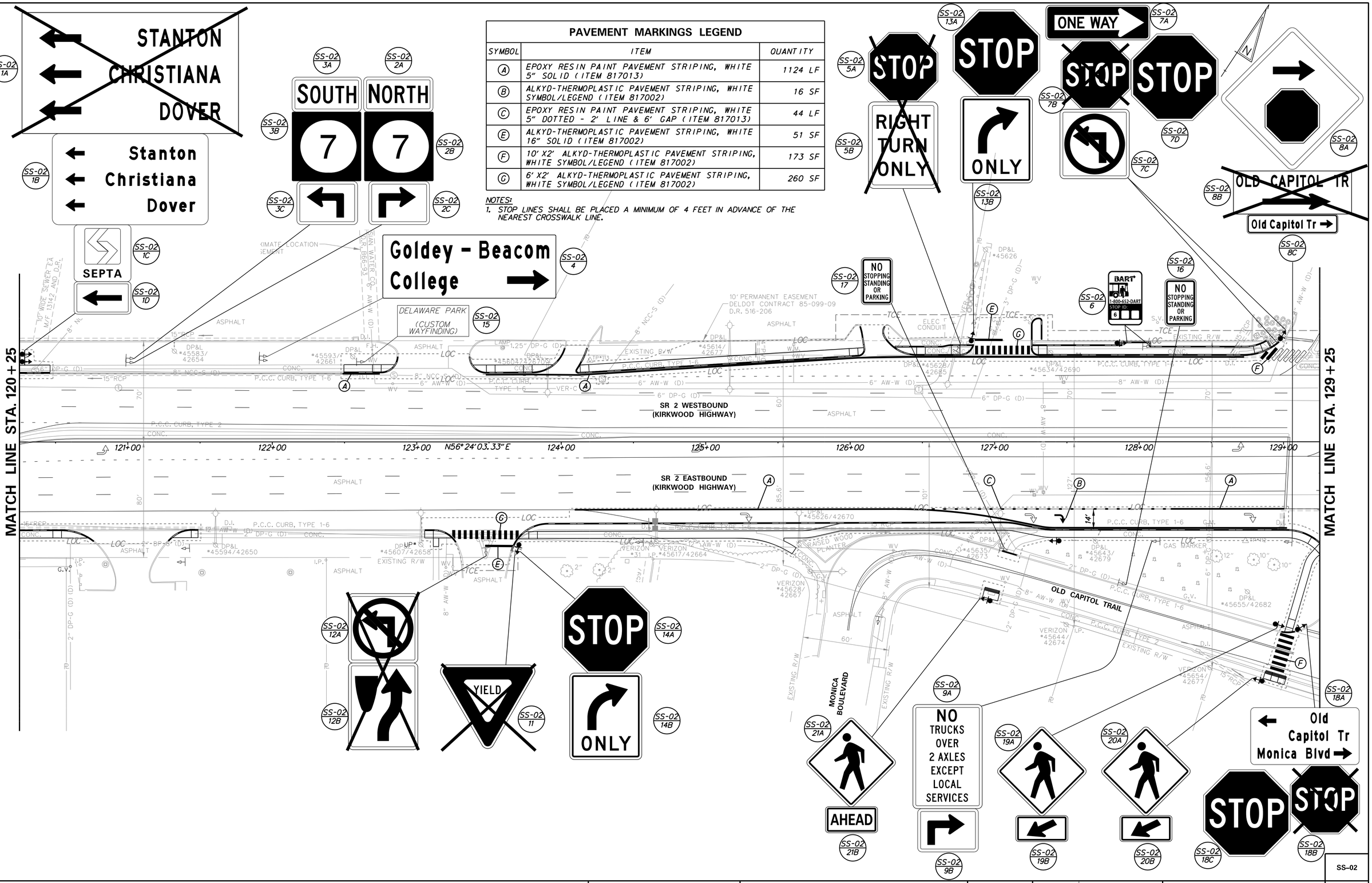
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-01
SECTION
WRA
SHEET NO.
58

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	1124 LF
B	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	16 SF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 817013)	44 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	51 SF
F	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	173 SF
G	6' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	260 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

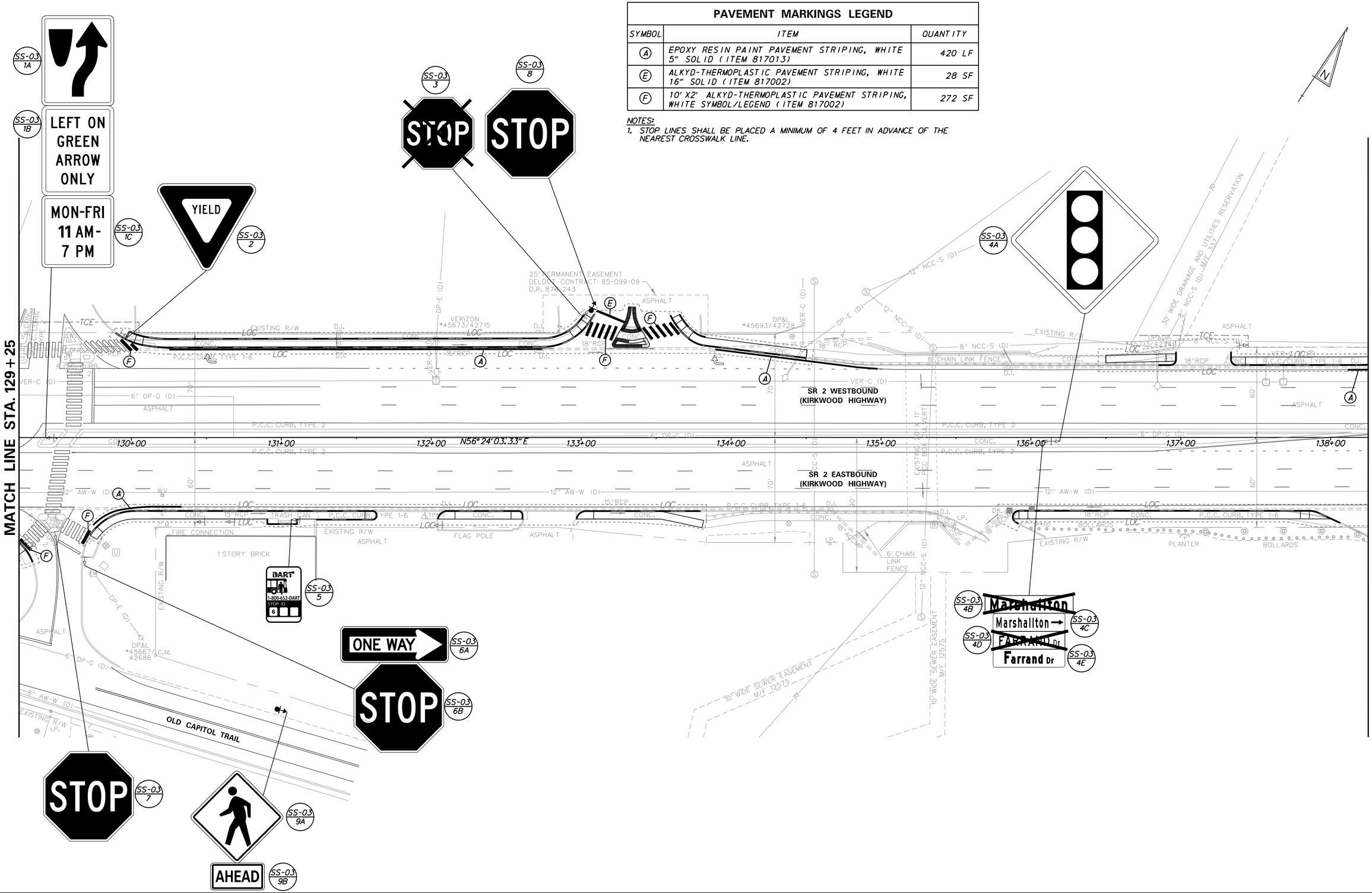
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-02
SECTION
WRA
SHEET NO.
59

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	420 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	28 SF
(F)	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	272 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

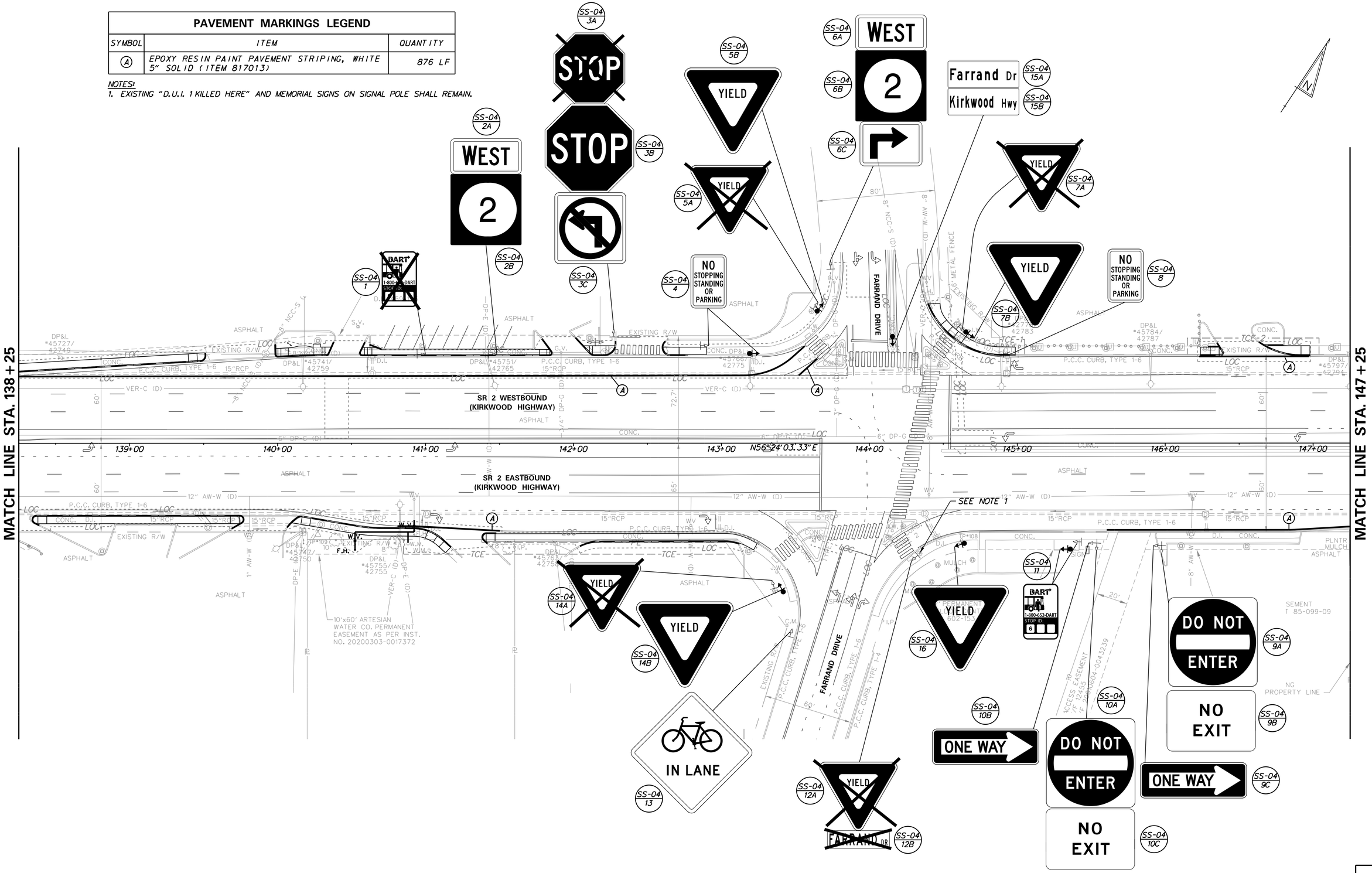
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

SIGNING AND STRIPING PLAN

SS-03
SECTION
WRA
SHEET NO.
60

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	876 LF

NOTES:
1. EXISTING "D.U.I. 1 KILLED HERE" AND MEMORIAL SIGNS ON SIGNAL POLE SHALL REMAIN.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

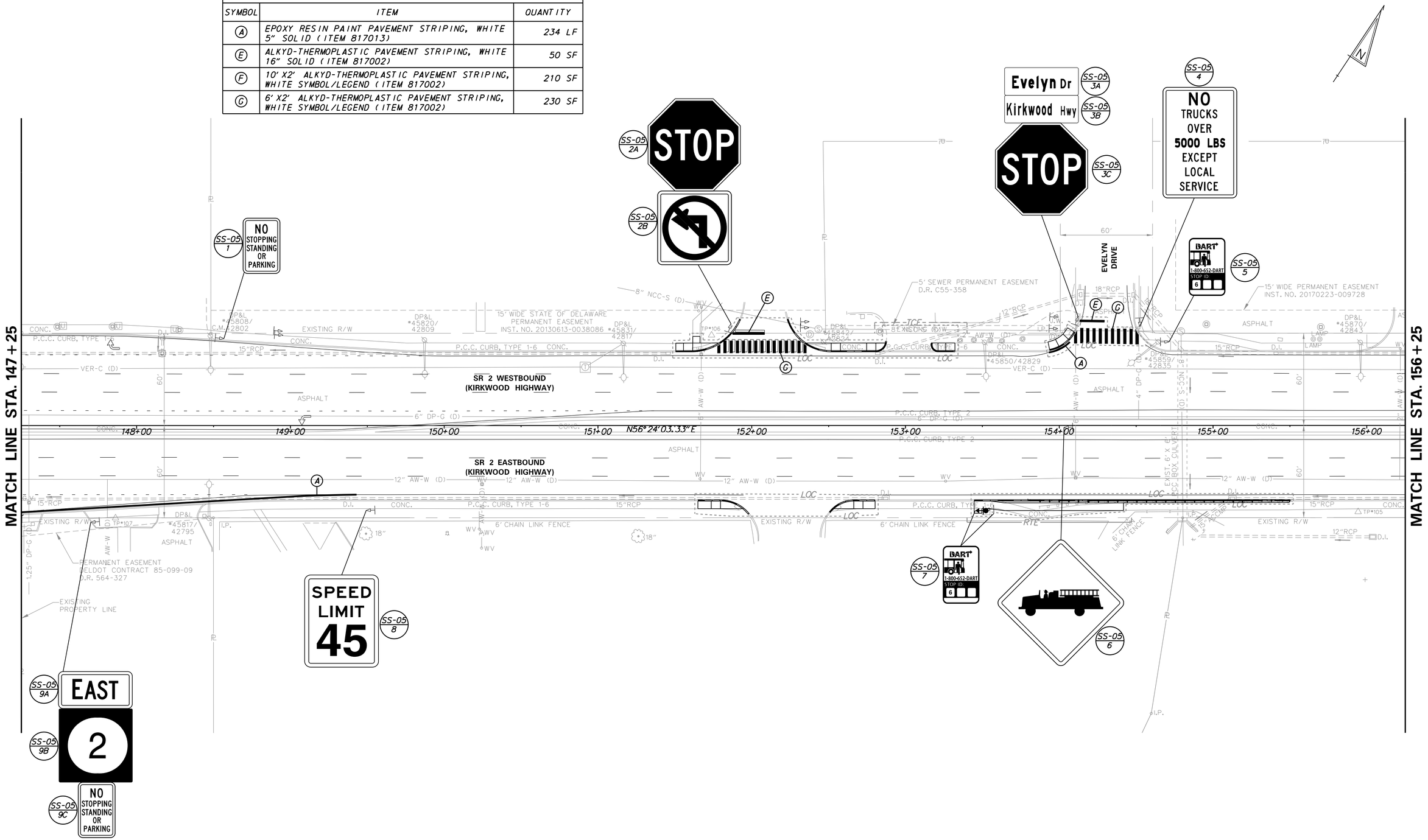
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-04
SECTION
WRA
SHEET NO.
61

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	234 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	50 SF
F	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	210 SF
G	6' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	230 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

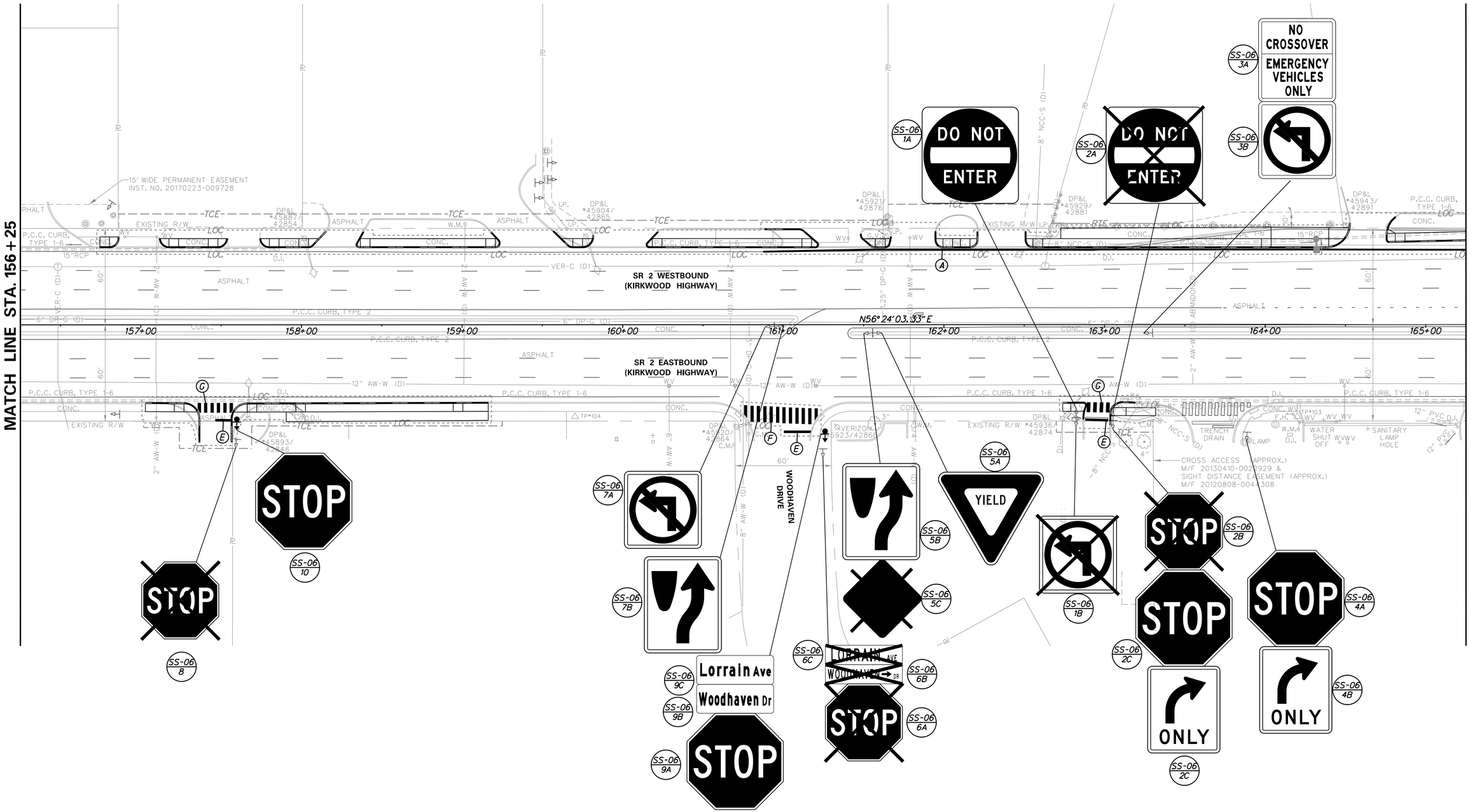
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-05
SECTION
WRA
SHEET NO.
62

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	439 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	55 SF
(F)	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	226 SF
(G)	6' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	118 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

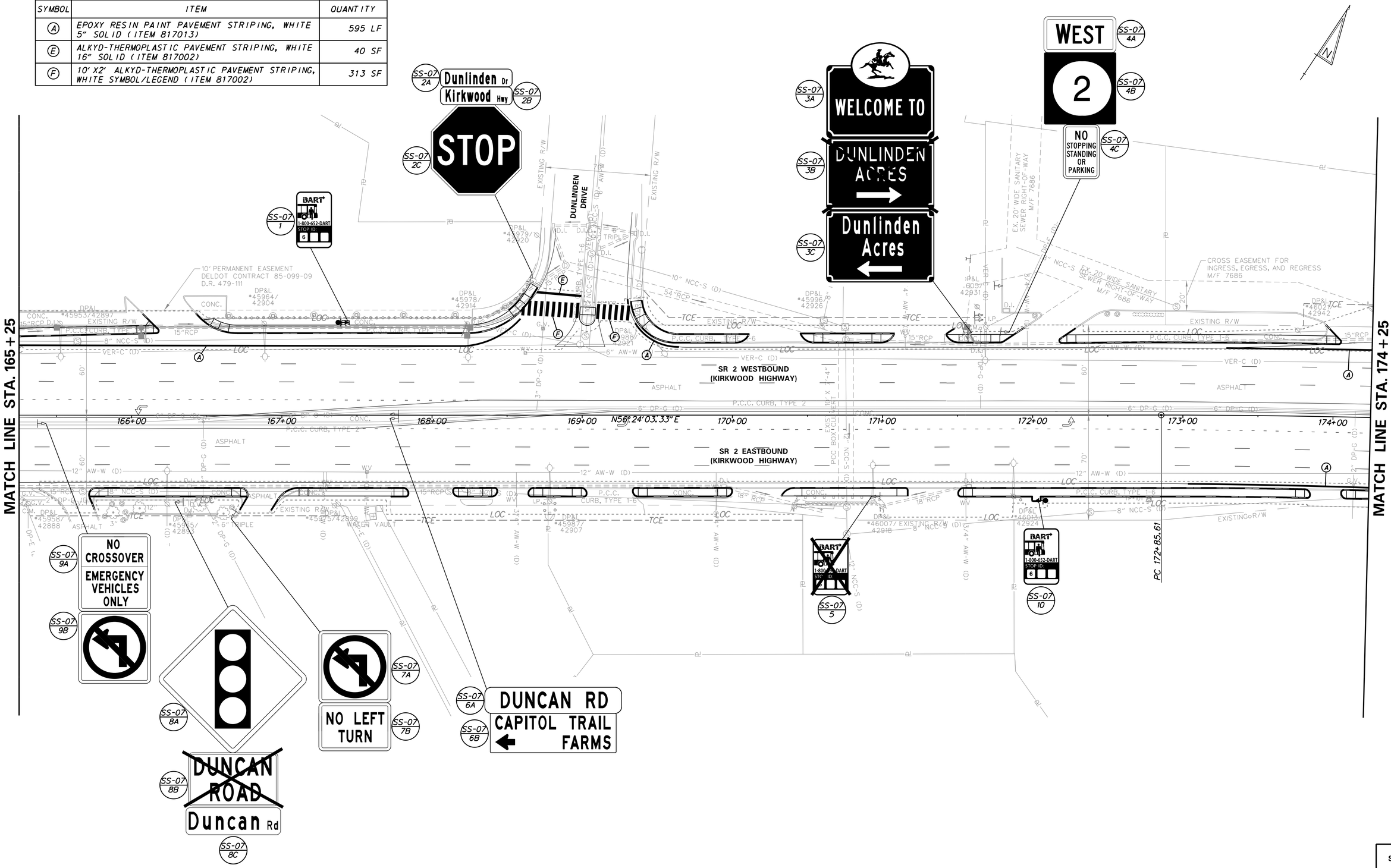
CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-06
SECTION
WRA
SHEET NO.
63

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	595 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	40 SF
(F)	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	313 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

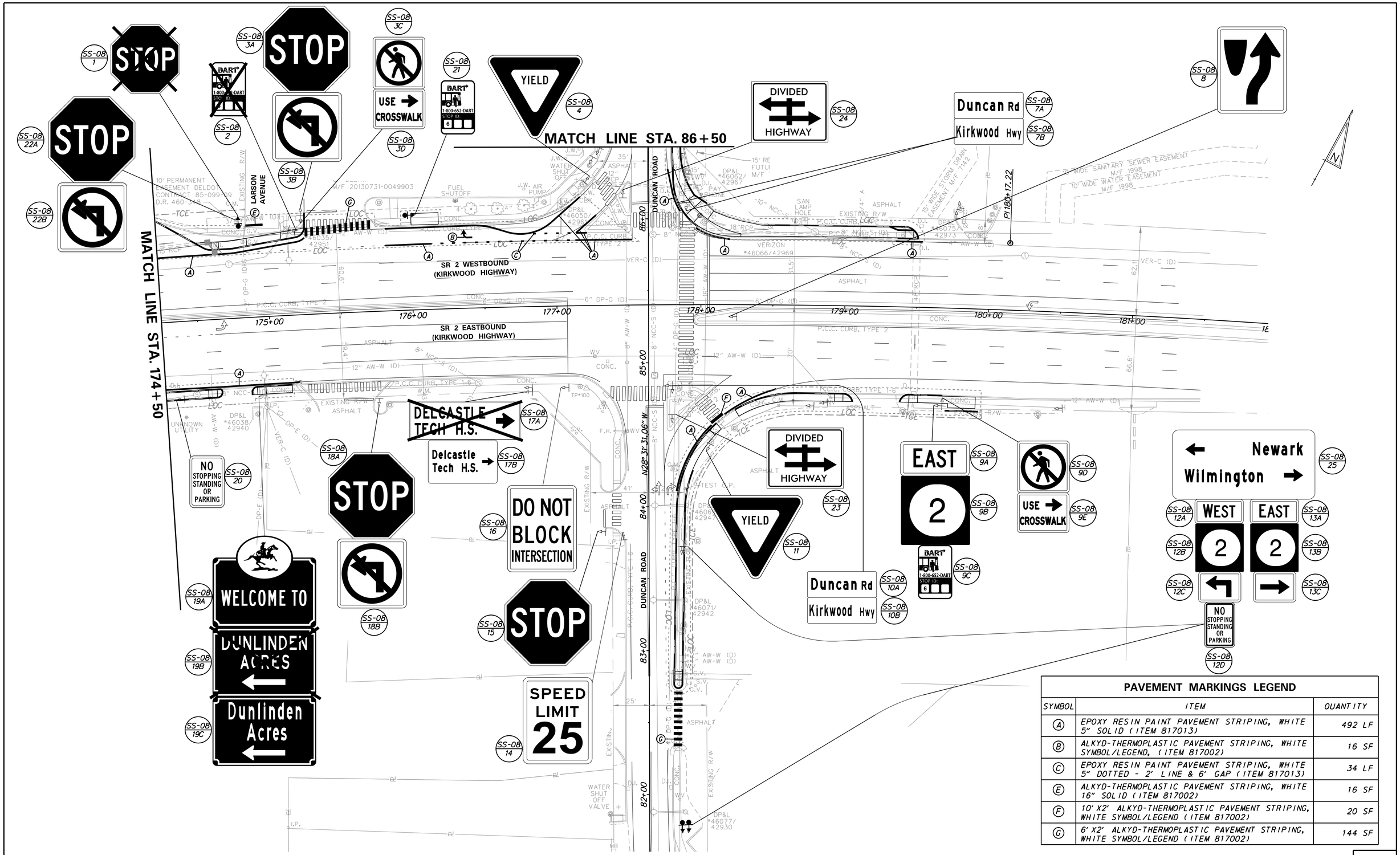
SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

SIGNING AND STRIPING PLAN

SS-07
SECTION
WRA
SHEET NO.
64



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	492 LF
B	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" DOTTED - 2' LINE & 6' GAP (ITEM 817013)	34 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	16 SF
F	10' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	20 SF
G	6' X2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	144 SF

SS-08

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY	CHECKED BY: T. OLIVER	
NEW CASTLE		

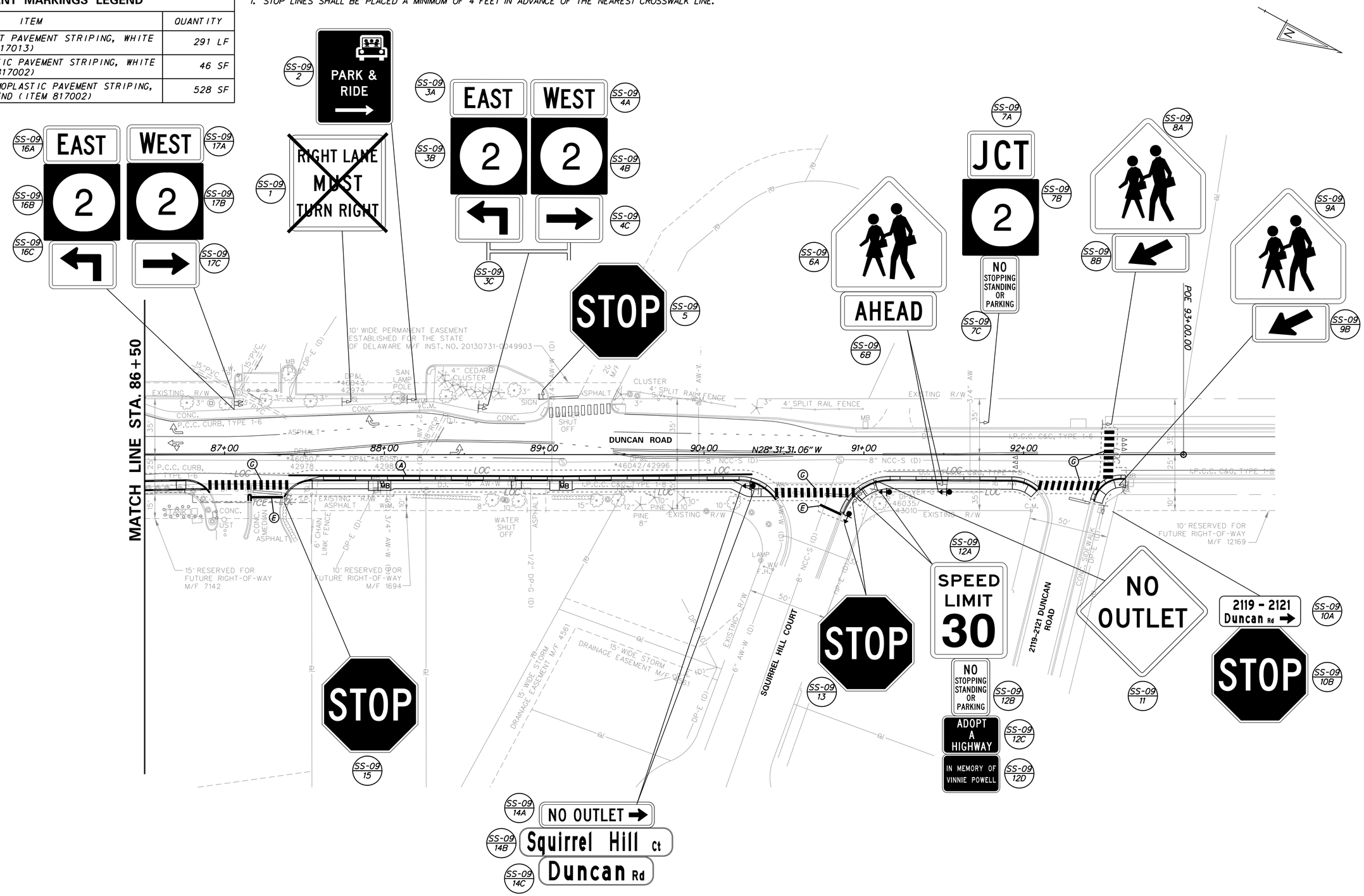
SIGNING AND STRIPING PLAN

SECTION WRA

SHEET NO. 65

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	291 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	46 SF
(G)	6' X 2' ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND (ITEM 817002)	528 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	BRIDGE NO.	N/A
T201701103	DESIGNED BY: D. POLLET	
COUNTY		
NEW CASTLE	CHECKED BY: T. OLIVER	

SIGNING AND STRIPING PLAN

SS-09
SECTION
WRA
SHEET NO.
66

PERMANENT SIGN SCHEDULE

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
8	SS-01	1	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
1673	SS-01	2A	D3-1(9)	2	STREET NAME (1 Line)	48"	18"	12.0	ADD TO ASSEMBLY		2					0	0	0	"Limestone Rd" - 8" & 6" B-SERIES
1673	SS-01	2B	D3-1(9)	2	STREET NAME (1 Line)	36"	12"	6.0	ADD TO ASSEMBLY		2					0	0	0	"Kirkwood Hwy" - 5.5" & 3.75" B-SERIES Medium Kerning Size reduced due to narrow median
	SS-01	2C	D3-1 (18)	2	STREET NAME (1 Line)				REMOVE	2						0	0	0	"LIMESTONE RD"
	SS-01	2D	D3-1 (18)	2	STREET NAME (1 Line)				REMOVE	2						0	0	0	"KIRKWOOD HWY"
310	SS-01	2E	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REPOSITION	1	1					0	0	0	
9	SS-01	3	R1-2(48)	1	YIELD	48"	48"		REMAIN							0	0	0	
310	SS-01	4A	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
120	SS-01	4B	R3-4(24)	1	U - TURN PROHIBITION (Symbol) - 24x24	24"	24"	4.00	ADD TO ASSEMBLY		1					0	0	0	Add to the reverse side of sign 4B
7427	SS-01	5	R10-19-DE	1	RED LIGHT PHOTO ENFORCED	30"	30"		REMAIN							0	0	0	
1694	SS-01	6	D4-3-DE	1	BUS STOP (DART)	12"	18"		REPOSITION	1	1				SOIL	1	0	0	Routes "6"
392	SS-01	7A	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36"	12"		REPOSITION	1	1				SOIL	1	0	0	
4	SS-01	7B	R1-1(36)	1	STOP	36"	36"	9.0	RENEW	1	1					0	0	0	
365	SS-01	8A	R5-2(24)	1	NO TRUCKS (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
	SS-01	8B	CUSTOM	1	"NO THRU TRAFFIC"	30"	24"		REMAIN							0	0	0	
58	SS-01	9	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24"	30"		REMAIN							0	0	0	
1694	SS-01	10A	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMAIN							0	0	0	
1924	SS-01	10B	EM-1-DE	1	EVACUATION ROUTE	24"	24"		REMAIN							0	0	0	
	SS-01	10C	EM-lp-DE	1	ARROW (PLATE)	12"	12"		REMAIN							0	0	0	
8	SS-01	11	R1-2(36)	1	YIELD	36"	36"		REMAIN							0	0	0	
1170	SS-01	12A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36"	36"		REMAIN							0	0	0	
1359	SS-01	12B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24"	12"		REMAIN							0	0	0	
1170	SS-01	13A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36"	36"		REMAIN							0	0	0	
1357	SS-01	13B	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24"	12"		REMAIN							0	0	0	
1673	SS-01	14A	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Kirkwood Hwy"
1673	SS-01	14B	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Limestone Rd"
310	SS-01	14C	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
8	SS-01	15	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
310	SS-01	16A	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
1955	SS-01	16B	OM1-3	1	TYPE 1 OBJECT MARKER	18"	18"		REMOVE	1						0	0	0	
9	SS-01	17	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1				SOIL	1	0	0	
9	SS-01	18	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1				SOIL	1	0	0	
406	SS-01	19	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30"	24"		REMOVE	1						0	0	0	
1660	SS-02	1A	D1-3	1	DESTINATION (3 Line)							REMOVE	21.0			0	0	0	"STANTON", "CHRISTIANA", "DOVER"
1660	SS-02	1B	D1-3	1	DESTINATION (3 Line)	72"	42"					NEW		21.0	SOIL	2	0	0	"Stanton", "Christiana", "Dover" - 6" D-SERIES
	SS-02	1C	CUSTOM	1	SEPTA	24"	18"		REPOSITION	1	1					0	0	0	
	SS-02	1D	CUSTOM	1	DIRECTIONAL ARROW (LEFT)	24"	12"		REPOSITION	1	1					0	0	0	
1508	SS-02	2A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-02	2B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	"7"
1632	SS-02	2C	M6-6_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Right) - 21x15	21"	15"		REMAIN							0	0	0	
1514	SS-02	3A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-02	3B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	"7"
1633	SS-02	3C	M6-6_L(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Left) - 21x15	21"	15"		REMAIN							0	0	0	
1655	SS-02	4	D1-2a(30-B)	1	DESTINATION (2 Line)	60"	30"		REMAIN							0	0	0	"Goldey - Beacom College"
3	SS-02	5A	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
	SS-02	5B		1	RIGHT TURN ONLY	18"	24"		REMOVE	1						0	0	0	
1694	SS-02	6	D4-3-DE	1	BUS STOP (DART)	12"	18"		REPOSITION	1	1				SOIL	1	0	0	Route "6"
392	SS-02	7A	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36"	12"		REPOSITION	1	1				SOIL	1	0	0	
3	SS-02	7B	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
110	SS-02	7C	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REPOSITION	1	1					0	0	0	
4	SS-02	7D	R1-1(36)	1	STOP	36"	36"	9.0	ADD TO ASSEMBLY		1					0	0	0	
7587	SS-02	8A	W3-1 (36)	1	STOP AHEAD (SYMBOL)	36"	36"		REMAIN							0	0	0	
	SS-02	8B		1	DESTINATION (2 LINE)				REMOVE	1						0	0	0	"OLD CAPITOL TR"
1367	SS-02	8C	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	42"	9"	2.6	ADD TO ASSEMBLY		1					0	0	0	"Old Capitol Tr" - 4" C-SERIES
623	SS-02	9A	R12-3-DE	1	NO TRUCKS OVER 2 AXLES EXCEPT LOCAL SERVICES	24"	36"		REMAIN							0	0	0	
1632	SS-02	9B	M6-6_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Right) - 21x15	21"	15"		REMAIN							0	0	0	
8	SS-02	11	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
110	SS-02	12A	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMOVE	1						0	0	0	
310	SS-02	12B	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMOVE	1						0	0	0	
4	SS-02	13A	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
124	SS-02	13B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL (Right)	30"	36"	7.5	NEW		1					0	0	0	
4	SS-02	14A	R1-1(36)	1	STOP	36"	36"	6.75	NEW		1				SOIL	1	0	0	
124	SS-02	14B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL (Right)	30"	36"	7.5	NEW		1					0	0	0	
	SS-02	15		1	CUSTOM				REMAIN							0	0	0	Delaware Park wayfinding
					PAGE TOTALS			89		24	22		21	21		10	0	0	

SS-10

ADDENDA / REVISIONS	NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	SIGN SCHEDULE	SECTION WRA
			COUNTY NEW CASTLE	DESIGNED BY: D. POLLET		SHEET NO. 67
				CHECKED BY: T. OLIVER		

PERMANENT SIGN SCHEDULE

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
423	SS-02	16	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
423	SS-02	17	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
1660	SS-03	18A	D1-3	1	DESTINATION (3 Line)				REMAIN							0	0	0	"Old Capitol Tr", "Monica Blvd"
3	SS-03	18B	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
4	SS-03	18C	R1-1(36)	1	STOP	36"	36"	9.0	ADD TO ASSEMBLY		1					0	0	0	
1169	SS-03	19A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30"	30"	6.25	NEW		1				SOIL	1	0	0	
1359	SS-03	19B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24"	18"	3.0	NEW		1					0	0	0	
1169	SS-03	20A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30"	30"	6.25	NEW		1				SOIL	1	0	0	
1359	SS-03	20B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24"	18"	3.0	NEW		1					0	0	0	
1169	SS-03	21A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30"	30"	6.25	NEW		1				SOIL	1	0	0	
1369	SS-03	21B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24"	12"	2.0	NEW		1					0	0	0	
310	SS-03	1A	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
558	SS-03	1B	R10-5(24)	1	LEFT ON GREEN ARROW ONLY - 24x30	24"	30"		REMAIN							0	0	0	
600	SS-03	1C	R10-20a	1	MON - FRI, XAM-XAM, XPM-XPM (plaque)	24"	24"		REMAIN							0	0	0	
9	SS-03	2	R1-2(48)	1	YIELD	48"	48"		REMAIN							0	0	0	
3	SS-03	3	R1-1(30)	1	STOP	30"	30"		REMOVE	1					SOIL	1	0	0	
7591	SS-03	4A	W3-3 (36)	1	SIGNAL AHEAD (SYMBOL)	36"	36"		REMAIN							0	0	0	
1673	SS-03	4B	D3-1(9)	1	STREET NAME (1 Line)				REMOVE	1						0	0	0	"MARSHALLTON" (Arrow)
1674	SS-03	4C	D3-1(12)	1	STREET NAME (1 Line)	48"	18"	6.0	ADD TO ASSEMBLY		1					0	0	0	"Marshallton" (Arrow) - 8" B-SERIES
1673	SS-03	4D	D3-1(9)	1	STREET NAME (1 Line)				REMOVE	1						0	0	0	"FARRAND DR"
1674	SS-03	4E	D3-1(12)	1	STREET NAME (1 Line)	48"	18"	6.0	ADD TO ASSEMBLY		1					0	0	0	"Farrand Dr" - 8" & 6" C-SERIES
1694	SS-03	5	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMAIN							0	0	0	
392	SS-03	6A	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36"	12"		REMAIN							0	0	0	
4	SS-03	6B	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
4	SS-03	7	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
4	SS-03	8	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
1169	SS-03	9A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30"	30"	6.3	NEW		1				SOIL	1	0	0	
1369	SS-03	9B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24"	12"	2.0	NEW		1					0	0	0	
1694	SS-04	1	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMOVE	1						0	0	0	
1517	SS-04	2A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-04	2B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	"2"
3	SS-04	3A	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
4	SS-04	3B	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1					1	0	0	
110	SS-04	3C	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
423	SS-04	4	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REPOSITION	1	1					0	0	0	
8	SS-04	5A	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
9	SS-04	5B	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1				SOIL	1	0	0	
1517	SS-04	6A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-04	6B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	"2"
1632	SS-04	6C	M6-6_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Right) - 21x15	21"	15"		REMAIN							0	0	0	
8	SS-04	7A	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
9	SS-04	7B	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1					0	0	0	
423	SS-04	8	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
358	SS-04	9A	R5-1(30)	1	DO NOT ENTER - 30x30	30"	30"		REMAIN							0	0	0	
	SS-04	9B		1	Custom	30"	24"		REMAIN							0	0	0	"No Exit"
392	SS-04	9C	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36"	12"		REMAIN							0	0	0	
358	SS-04	10A	R5-1(30)	1	DO NOT ENTER - 30x30	30"	30"		REMAIN							0	0	0	
392	SS-04	10B	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36"	12"		REMAIN							0	0	0	
	SS-04	10C		1	Custom	30"	24"		REMAIN							0	0	0	"No Exit"
1694	SS-04	11	D4-3-DE	1	BUS STOP (DART)	12"	18"		REPOSITION	1	1				SOIL	1	0	0	
8	SS-04	12A	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
1673	SS-04	12B	D3-1(9)	1	STREET NAME (1 Line)				REMOVE	1						0	0	0	"FARRAND DR"
	SS-04	13	CUSTOM	1	(Bicycle symbol) IN LANE	30"	30"		REMAIN							0	0	0	
8	SS-04	14A	R1-2(36)	1	YIELD	36"	36"		REMOVE	1						0	0	0	
9	SS-04	14B	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1				SOIL	1	0	0	
	SS-04	15A	D3-1 (18)	2	STREET NAME (1 Line)	48"	18"	12.0	NEW		2				CONCRETE	1	1	0	"Farrand Dr" - 8" & 6" C-SERIES
	SS-04	15B	D3-1 (18)	2	STREET NAME (1 Line)	36"	12"	6.0	ADD TO ASSEMBLY		2					0	0	0	"Kirkwood Hwy" - 5.5" & 3.75" B-SERIES Medium Kerning Size reduced due to narrow median
9	SS-04	16	R1-2(48)	1	YIELD	48"	48"	8.0	NEW		1				SOIL	1	0	0	
423	SS-05	1	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
4	SS-05	2A	R1-1(36)	1	STOP	36"	36"	9.0	RENEW	1	1					0	0	0	
110	SS-05	2B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
1673	SS-05	3A	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Evelyn Dr"
1673	SS-05	3B	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Kirkwood Hwy"
4	SS-05	3C	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
622	SS-05	4	CUSTOM	1	NO TRUCKS OVER 5000 LBS EXCEPT LOCAL SERVICE	24"	36"		REMAIN							0	0	0	
1694	SS-05	5	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMAIN							0	0	0	
	SS-05	6	CUSTOM	1	FIRETRUCK SYMBOL	30"	30"		REMAIN							0	0	0	
1694	SS-05	7	D4-3-DE	1	BUS STOP (DART)	12"	18"		REPOSITION	1	1				SOIL	1	0	0	
58	SS-05	8	R2-1-45(24)	1	SPEED LIMIT (45 MPH - 24x30)	24"	30"		REMAIN							0	0	0	
PAGE TOTALS								133		15	25		0	0		13	1	0	

SS-11

ADDENDA / REVISIONS

NOT TO SCALE

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT T201701103 | COUNTY NEW CASTLE | BRIDGE NO. N/A | DESIGNED BY: D. POLLET | CHECKED BY: T. OLIVER

SIGN SCHEDULE

SECTION WRA | SHEET NO. 68

PERMANENT SIGN SCHEDULE

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
1511	SS-05	9A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-05	9B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	
423	SS-05	9C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
358	SS-06	1A	R5-1(30)	1	DO NOT ENTER - 30x30	30"	30"		REMAIN							0	0	0	
110	SS-06	1B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMOVE	1						0	0	0	
358	SS-06	2A	R5-1(30)	1	DO NOT ENTER - 30x30	30"	30"		REMOVE	1						0	0	0	
3	SS-06	2B	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
4	SS-06	2C	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
124	SS-06	2D	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL (Right)	30"	36"	7.5	NEW		1					0	0	0	
	SS-06	3A	CUSTOM	1	NO CROSSOVER / EMERGENCY VEHICLES ONLY	24"	24"		REMAIN							0	0	0	
110	SS-06	3B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
4	SS-06	4A	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
	SS-06	4B	R3-5R	1	MANDATORY MOVEMENT LANE CONTROL (RIGHT)	30"	36"		REMAIN							0	0	0	
8	SS-06	5A	R1-2(36)	1	YIELD	36"	36"		REMAIN							0	0	0	
310	SS-06	5B	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
1955	SS-06	5C	OM1-3	1	TYPE 1 OBJECT MARKER	18"	18"		REMOVE	1						0	0	0	
3	SS-06	6A	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
1673	SS-06	6B	D3-1(9)	1	STREET NAME (1 Line)				REMOVE	1						0	0	0	"WOODHAVEN DR"
1673	SS-06	6C	D3-1(9)	1	STREET NAME (1 Line)				REMOVE	1						0	0	0	"LORRAIN AVE"
110	SS-06	7A	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
310	SS-06	7B	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
3	SS-06	8	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
4	SS-06	9A	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
1674	SS-06	9B	D3-1(18)	2	STREET NAME (1 Line)	48"	18"	12.0	NEW		2					0	0	0	"Woodhaven Dr" - 8" & 6" B-SERIES
1674	SS-06	9C	D3-1(18)	2	STREET NAME (1 Line)	48"	18"	12.0	NEW		2					0	0	0	"Lorrain Ave" - 8" & 6" C-SERIES
4	SS-06	10	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
1694	SS-07	1	D4-3-DE	1	BUS STOP (DART)	12"	18"		REPOSITION	1	1				SOIL	1	0	0	
1673	SS-07	2A	D3-1(9)	1	STREET NAME (1 Line)	48"	12"		REMAIN							0	0	0	"Dunlinden Dr"
1673	SS-07	2B	D3-1(9)	1	STREET NAME (1 Line)	48"	12"		REMAIN							0	0	0	"Kirkwood Hwy"
4	SS-07	2C	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
1685	SS-07	3A	D3-2-DE1	1	WELCOME TO	36"	32"		REMAIN							0	0	0	
1686	SS-07	3B	D3-2-DE2	1	DEVELOPMENT NAME	36"	32"		REMOVE	1						0	0	0	"DUNLINDEN ACRES"
1686	SS-07	3C	D3-2-DE2	1	DEVELOPMENT NAME	36"	32"	8.0	ADD TO ASSEMBLY		1					0	0	0	"Dunlinden Acres" - 8" B-SERIES
1517	SS-07	4A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-07	4B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	
423	SS-07	4C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN							0	0	0	
1694	SS-07	5	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMOVE	1						0	0	0	
1367	SS-07	6A	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)				REMAIN							0	0	0	"DUNCAN RD"
1653	SS-07	6B	D1-2	1	DESTINATION (2 Line)				REMAIN							0	0	0	"CAPITOL TRAIL FARMS"
110	SS-07	7A	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
127	SS-07	7B	CUSTOM	1	"NO LEFT TURN"	24"	18"		REMAIN							0	0	0	
877	SS-07	8A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30"	30"		REMAIN							0	0	0	
1368	SS-07	8B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)				REMOVE	1						0	0	0	"DUNCAN ROAD"
1367	SS-07	8C	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30"	9"	1.875	ADD TO ASSEMBLY		1					0	0	0	"Duncan Rd" - 4" C-SERIES
	SS-07	9A	CUSTOM	1	NO CROSSOVER / EMERGENCY VEHICLES ONLY	24"	24"		REMAIN							0	0	0	
110	SS-07	9B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
1694	SS-07	10	D4-3-DE	0	BUS STOP (DART)	12"	18"		NEW						BITUMINOUS	1	0	1	SIGN TO BE SUPPLIED AND INSTALLED BY DART
3	SS-08	1	R1-1(30)	1	STOP	30"	30"		REMOVE	1						0	0	0	
1694	SS-08	2	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMOVE	1						0	0	0	
4	SS-08	3A	R1-1(36)	1	STOP	36"	36"		REMAIN							0	0	0	
110	SS-08	3B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
508	SS-08	3C	R9-3(18)	1	NO PEDESTRIAN CROSSING (Symbol) - 18x18	18"	18"		REMAIN							0	0	0	
512	SS-08	3D	R9-3bP_R	1	USE CROSSWALK --> (plaque)	18"	12"		REMAIN							0	0	0	
9	SS-08	4	R1-2(48)	1	YIELD	48"	48"		REMAIN							0	0	0	
1673	SS-08	7A	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Duncan Rd"
1673	SS-08	7B	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Kirkwood Hwy"
310	SS-08	8	R4-7(18)	1	KEEP RIGHT (Symbol) - 18x24	18"	24"		REMAIN							0	0	0	
1511	SS-08	9A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24"	12"		REMAIN							0	0	0	
1488	SS-08	9B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN							0	0	0	"2"
1694	SS-08	9C	D4-3-DE	1	BUS STOP (DART)	12"	18"		REMAIN							0	0	0	
509	SS-08	9D	R9-3(24)	1	NO PEDESTRIAN CROSSING (Symbol) - 24x24	24"	24"		REMAIN							0	0	0	
512	SS-08	9E	R9-3bP_R	1	USE CROSSWALK --> (plaque)	18"	12"		REMAIN							0	0	0	
1673	SS-08	10A	D3-1(9)	2	STREET NAME (1 Line)				REMAIN							0	0	0	"Duncan Rd"
PAGE TOTALS								68		14	11		0	0		5	0	1	

SS-12

ADDENDA / REVISIONS	NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	SIGN SCHEDULE	SECTION
				DESIGNED BY: D. POLLET		WRA
			COUNTY NEW CASTLE	CHECKED BY: T. OLIVER		SHEET NO. 69

PERMANENT SIGN SCHEDULE

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
1673	SS-08	10B	D3-1(9)	2	STREET NAME (1 Line)				REMAIN								0	0	"Kirkwood Hwy"
9	SS-08	11	R1-2(48)	1	YIELD	48"	48"		REMAIN								0	0	
1517	SS-08	12A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REPOSITION	1	1						0	0	
1488	SS-08	12B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REPOSITION	1	1						0	0	"2"
1633	SS-08	12C	M6-6_L(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Left) - 21x15	21"	15"		REPOSITION	1	1						0	0	
423	SS-08	12D	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REPOSITION	1	1						0	0	
1511	SS-08	13A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24"	12"		REPOSITION	1	1						0	0	
1488	SS-08	13B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REPOSITION	1	1						0	0	"2"
1604	SS-08	13C	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21"	15"		REPOSITION	1	1						0	0	
42	SS-08	14	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24"	30"		REMAIN								0	0	
4	SS-08	15	R1-1(36)	1	STOP	36"	36"		REMAIN								0	0	
566	SS-08	16	R10-7	1	DO NOT BLOCK INTERSECTION	24"	30"		REMAIN								0	0	
1653	SS-08	17A	D1-2	1	DESTINATION (2 Line)	N/A	N/A					REMOVE	10				0	0	"DELCASTLE TECH H.S."
1653	SS-08	17B	D1-2	1	DESTINATION (2 Line)	48"	30"					NEW		10			0	0	"Delcastle Tech H.S." - 6" D-SERIES
4	SS-08	18A	R1-1(36)	1	STOP	36"	36"		REMAIN								0	0	
110	SS-08	18B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"		REMAIN								0	0	
1685	SS-08	19A	D3-2-DE1	1	WELCOME TO	36"	32"		REMAIN								0	0	
1686	SS-08	19B	D3-2-DE2	1	DEVELOPMENT NAME	36"	32"		REMOVE	1							0	0	"DUNLINDEN ACRES"
1686	SS-08	19C	D3-2-DE2	1	DEVELOPMENT NAME	36"	32"	8.0	ADD TO ASSEMBLY		1						0	0	"Dunlinden Acres" - 8" B-SERIES
423	SS-08	20	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN								0	0	
1694	SS-08	21	D4-3-DE	1	BUS STOP (DART)	12"	18"		NEW						SOIL	1	0	0	SIGN TO BE SUPPLIED AND INSTALLED BY DART
4	SS-08	22A	R1-1(36)	1	STOP	36"	36"	9.0	NEW		1				SOIL	1	0	0	
110	SS-08	22B	R3-2(24)	1	LEFT TURN PROHIBITION (Symbol) - 24x24	24"	24"	4.0	NEW		1						0	0	
406	SS-08	23	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30"	24"		REMAIN								0	0	
406	SS-08	24	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30"	24"		REMAIN								0	0	
1653	SS-08	25	D1-2	1	DESTINATION (2 Line)		30"					REMAIN					0	0	"Newark", "Wilmington"
134	SS-09	1	R3-7_R(30)	1	RIGHT LANE MUST TURN RIGHT - 30"x30"	30"	30"		REMOVE	1							0	0	
1691	SS-09	2	D4-2(30)	1	PARK & RIDE - 30x36	30"	36"		REMAIN								0	0	
1511	SS-09	3A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24"	12"		REMAIN								0	0	
1488	SS-09	3B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN								0	0	"2"
1633	SS-09	3C	M6-6_L(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Left) - 21x15	21"	15"		REMAIN								0	0	
1517	SS-09	4A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REMAIN								0	0	
1488	SS-09	4B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN								0	0	"2"
1604	SS-09	4C	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21"	15"		REMAIN								0	0	
4	SS-09	5	R1-1(36)	1	STOP	36"	36"		REMAIN								0	0	
7428	SS-09	6A	7B-2	1	SCHOOL SIGN (SYMBOL)	36"	36"		REPOSITION	1	1				SOIL	1	0	0	
7270	SS-09	6B	2D-8	1	AHEAD	24"	12"		REPOSITION	1	1						0	0	
1504	SS-09	7A	M2-1(21)	1	JUNCTION - 21x15	21"	15"		REMAIN								0	0	
1488	SS-09	7B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN								0	0	"2"
423	SS-09	7C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REMAIN								0	0	
7428	SS-09	8A	7B-2	1	SCHOOL SIGN (SYMBOL)	36"	36"		REMAIN								0	0	
1625	SS-09	8B	M6-5_L(B)	1	DIRECTIONAL ARROW (Left to Right - 45) - 12x9	12"	9"		REMAIN								0	0	
7428	SS-09	9A	7B-2	1	SCHOOL SIGN (SYMBOL)	36"	36"		REMAIN								0	0	
1625	SS-09	9B	M6-5_L(B)	1	DIRECTIONAL ARROW (Left to Right - 45) - 12x9	12"	9"		REMAIN								0	0	
1653	SS-09	10A	D1-2	1	DESTINATION (2 Line)				REMAIN								0	0	"2119-2121 Duncan Rd" (Arrow)
4	SS-09	10B	R1-1(36)	1	STOP	36"	36"		REMAIN								0	0	
1320	SS-09	11	W14-2(30)	1	NO OUTLET - 30x30	30"	30"		REMAIN								0	0	
46	SS-09	12A	R2-1-30(24)	1	SPEED LIMIT (30 MPH - 24x30)	24"	30"		REPOSITION	1	1				SOIL	1	0	0	
423	SS-09	12B	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12"	18"		REPOSITION	1	1						0	0	
1872	SS-09	12C	D14-3-DE	1	ADOPT A HIGHWAY	24"	12"		REPOSITION	1	1						0	0	
	SS-09	12D	CUSTOM	1	"In Memory of Vinnie Powell"	24"	12"		REPOSITION	1	1						0	0	
4	SS-09	13	R1-1(36)	1	STOP	36"	36"		REPOSITION	1	1				SOIL	1	0	0	
1323	SS-09	14A	W14-2a_R	1	NO OUTLET (Arrow right)	36"	8"		REPOSITION	1	1				SOIL	1	0	0	
1674	SS-09	14B	D3-1(12)	1	STREET NAME (1 Line)				REPOSITION	1	1						0	0	"Squirrel Hill Ct"
1674	SS-09	14C	D3-1(12)	1	STREET NAME (1 Line)				REPOSITION	1	1						0	0	"Duncan Rd"
4	SS-09	15	R1-1(36)	1	STOP	36"	36"	9.0	RENEW	1	1						0	0	
1511	SS-09	16A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24"	12"		REMAIN								0	0	
1488	SS-09	16B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN								0	0	"2"
1633	SS-09	16C	M6-6_L(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Left) - 21x15	21"	15"		REMAIN								0	0	
1517	SS-09	17A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24"	12"		REMAIN								0	0	
1488	SS-09	17B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24"	24"		REMAIN								0	0	"2"
1604	SS-09	17C	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21"	15"		REMAIN								0	0	
					PAGE TOTALS			30		20	21		10	10		6	0	0	
					JOB TOTALS			333		73	79		31	31		34	1	1	

SS-13

ADDENDA / REVISIONS	NOT TO SCALE	SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES	CONTRACT T201701103	BRIDGE NO. N/A	SIGN SCHEDULE	SECTION WRA
			COUNTY NEW CASTLE	DESIGNED BY: D. POLLET		SHEET NO. 70
				CHECKED BY: T. OLIVER		

CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
*1	1	2.5 IN	25 FT	-	<REMOVE EX. (1) 2/*8 U.F. W/GROUND>
*2	2	1.5 IN 2.5 IN	2 FT	-	<REMOVE EX. (2) 16/*14, EX. (4) 9/*14, EX. (7) 4/*18>
*3	1	2.5 IN	7 FT	-	<REMOVE EX. (2) 16/*14, EX. (3) 9/*14, EX. (4) 4/*18>, [NEW (2) 16/*14, (4) 4/*18, (1) *6 GROUND]
*4	1	1.5 IN	74 FT	-	<REMOVE EX. (3) 4/*18, EX. (2) COMM.>
*5	1	1.5 IN	43 FT	-	<REMOVE EX. (3) 4/*18>, [NEW (1) 5/*14, (6) 2/*14, (1) *6 GROUND]
*6	1	2.5 IN	20 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (2) 5/*14, (1) *6 GROUND]
*7	1	2.5 IN	5 FT	-	<REMOVE EX. (2) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*8	1	2.5 IN	4 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*9	1	1.5 IN	136 FT	-	<REMOVE EX. (2) 4/*18, EX. (1) COMM.>, [NEW (3) 2/*14, (1) *6 GROUND]
*10	1	1.5 IN	180 FT	-	<REMOVE EX. (2) 4/*18, EX. (1) COMM.>, [NEW (3) 2/*14, (1) *6 GROUND]
*11	1	1.5 IN	XX FT	-	<REMOVE EX. (1) COMM.>
*12	1	2.5 IN	108 FT	-	<REMOVE EX. (1) COMM.>
*13	1	2.5 IN	84 FT	-	<REMOVE EX. (2) 4/*18>, [NEW (4) 2/*14, (1) *6 GROUND]
*14	1	2.5 IN	206 FT	-	<REMOVE EX. (2) 4/*18, EX. (1) COMM.>, [NEW (3) 2/*14, (1) *6 GROUND]
*15	1	2.5 IN	109 FT	-	<REMOVE EX. (2) 4/*18, EX. (1) COMM.>, [NEW (3) 2/*14, (1) *6 GROUND]
*16	1	2.5 IN	XX FT	-	<REMOVE EX. (1) COMM.>
*17	1	2.5 IN	116 FT	-	<REMOVE EX. (1) 4/*18>, [NEW (3) 5/*14, (2) 2/*14, (1) *6 GROUND]
*18	1	2.5 IN	4 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*19	1	2.5 IN	31 FT	-	<REMOVE EX. (2) 9/*14>

* DENOTES EXISTING CONDUIT

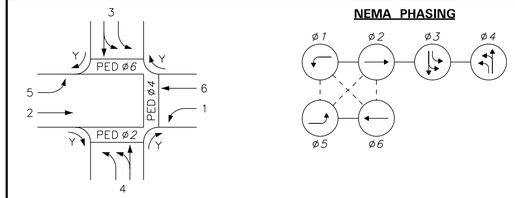
CONDUIT RUN SCHEDULE

CO#	# OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE
*20	1	2.5 IN	12 FT	-	<REMOVE EX. (2) 9/*14>
*21	1	2.5 IN	51 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (2) 5/*14, (1) *6 GROUND]
*22	1	2.5 IN	7 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*23	1	2.5 IN	4 FT	-	<REMOVE EX. (2) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*24	1	2.5 IN	12 FT	-	<REMOVE EX. (1) 9/*14>
*25	1	2.5 IN	20 FT	-	<REMOVE EX. (1) 9/*14>
*26	1	2.5 IN	2 FT	-	<REMOVE EX. (1) 9/*14>, [NEW (1) 5/*14, (1) *6 GROUND]
*OH27	1	SPAN	101 FT	AERIAL	EX. (2) 16/*14 - TO REMAIN, EX. (4) 4/*18 - TO REMAIN, <REMOVE EX. (3) 9/*14>
*OH28	1	SPAN	102 FT	AERIAL	<REMOVE EX. (1) 9/*14>
*OH29	1	SPAN	117 FT	AERIAL	<REMOVE EX. (2) 9/*14>
**30	1	2.0 IN	4 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LINE SIDE]
**31	1	2.0 IN	45 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LINE SIDE]
**32	1	2.0 IN	2 FT	T	[NEW (1) 2/*8 U.F. W/GROUND - LOAD SIDE]
33	3	4.0 IN	20 FT	T	[NEW (2) 16/*14, (6) 5/*14, (4) 4/*18, (12) 2/*14, (3) *6 GROUND]
34	1	4.0 IN	75 FT	B	[NEW (3) 5/*14, (6) 2/*14, (1) *6 GROUND]
35	1	4.0 IN	36 FT	B	[NEW (1) 5/*14, (1) *6 GROUND]

* DENOTES EXISTING CONDUIT
** PROPOSED GALVANIZED STEEL CONDUIT

B = BORE, T = TRENCH, O = OPEN CUT

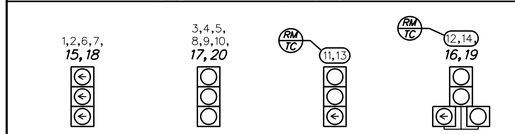
SIGNAL PHASING



PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

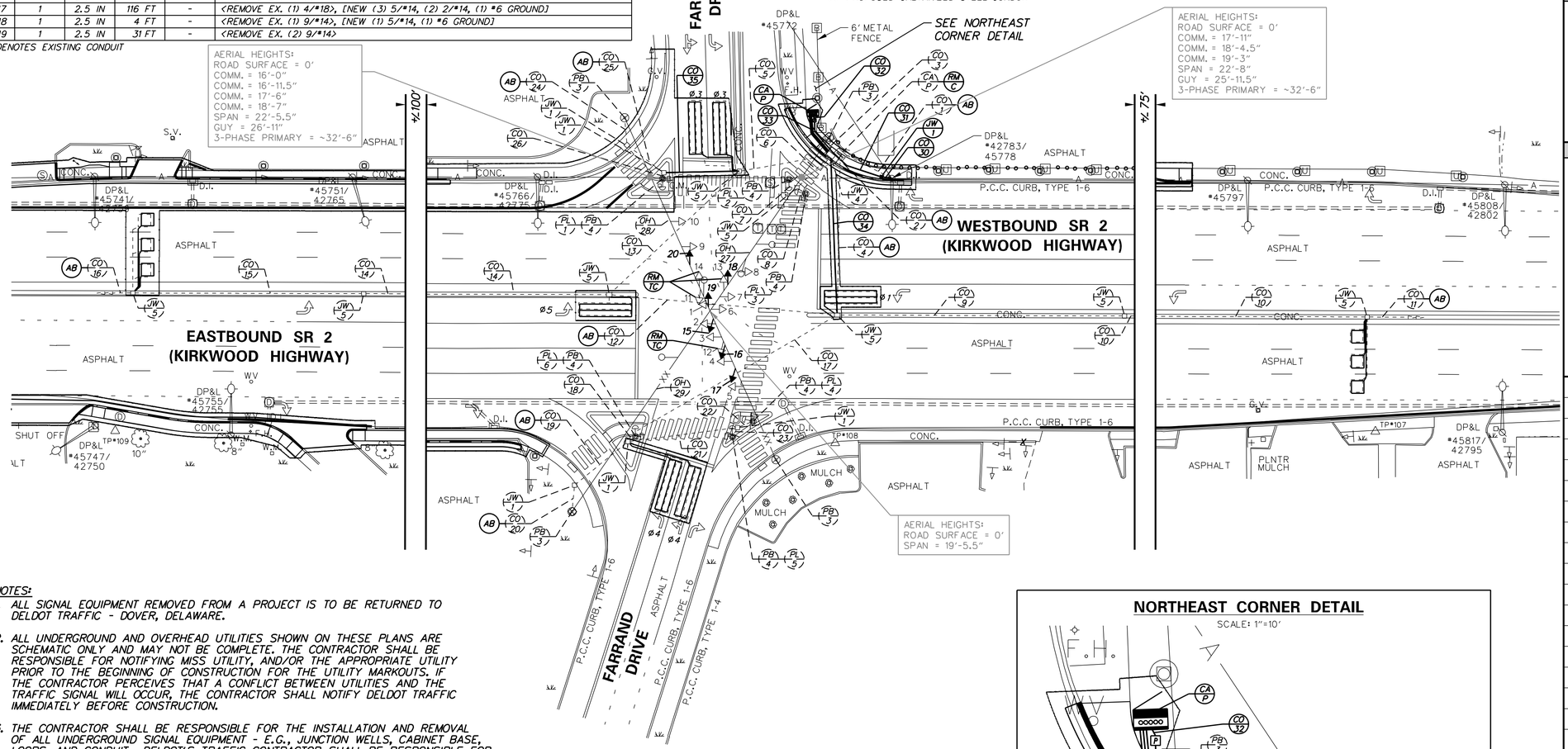
SIGNAL HEAD DIAGRAM



LEGEND

AB	ABANDON	OH #	EXISTING OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
CA X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	OH #	PROPOSED OVERHEAD RUN IDENTIFIER (* OF OVERHEAD RUN)
CA X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	PB X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	EXISTING CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	PB X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	PROPOSED CONDUIT RUN IDENTIFIER (* OF CONDUIT RUN)	PL X	EXISTING POLE IDENTIFIER (* OF POLE)
JW X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	PL X	PROPOSED POLE IDENTIFIER (* OF POLE)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	RM C	REMOVE BY CONTRACTOR
MA XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	RM O	REMOVE BY OTHERS
MA XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	RM TC	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		



NOTES:

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL UNDERGROUND SIGNAL EQUIPMENT - E.G., JUNCTION WELLS, CABINET BASE, LOOPS, AND CONDUIT. DELDOT'S TRAFFIC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL ELECTRICAL CABLES AND ABOVE GROUND SIGNAL EQUIPMENT - E.G., HEADS, SERVICE PEDESTAL, AND CABINET.
4. ALL EXISTING LOOP DETECTORS ARE TO BE ABANDONED.

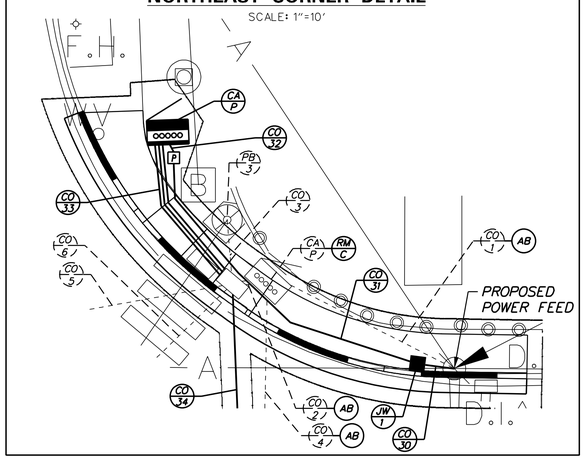
   PROPOSED LOOP DETECTORS (TO BE INSTALLED):
   TYPE *2 - 6' x 25' - SR 2 LEFT-TURN MOVEMENTS
   TYPE *2 - 6' x 25' - FARRAND DRIVE ALL MOVEMENTS
   SYSTEM - 6' x 6' - SR 2 RECEIVING LANES, AS SHOWN
5. ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.
6. ALL CONDUITS SHALL BE SCHEDULE 80 PVC WHEN INSTALLED BY TRENCHING OR OPEN-CUT AND HDPE SDR-13.5 WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED.
7. THE CABINET BASE IS TO BE REMOVED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.
8. DELDOT TRAFFIC SHALL COORDINATE THE CDMA INSTALLATION IN THE PROPOSED SIGNAL CABINET.

SPAN WIRE SCHEDULE

SPAN	LENGTH	SPAN MOUNT HEIGHT	POLE HEIGHT	% SAG	BOTTOM OF LOWEST SIGNAL HEAD
NW	180 FT	23'-9.5"	28'	2.4%	15'-5.5"
NE	218 FT	24'-4"	28'	2.2%	
SW	218 FT	24'-3.5"	28'	2.2%	
SE	180 FT	25'-6.5"	28'	2.4%	

NORTHEAST CORNER DETAIL

SCALE: 1"=10'



PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "WRA" SECTION DESIGNATION.

3/21/2020
DATE

SEAL

CONCURRENCE FOR INSTALLATION

Peter Haag DelDOT

CHIEF TRAFFIC ENGINEER

3/23/2020
DATE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 2, KIRKWOOD HIGHWAY, SR 7 TO DUNCAN ROAD PEDESTRIAN ACCESS ROUTES

CONTRACT	T201701103
COUNTY	NEW CASTLE

PERMIT NO. N285
DESIGNED BY: D. GUNYUZLU (WRA)
CHECKED BY: M. BUCKLEY (WRA)

SIGNAL PLAN SR 2 (KIRKWOOD HIGHWAY) @ FARRAND DRIVE

SECTION WRA
SHEET NO. 71

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