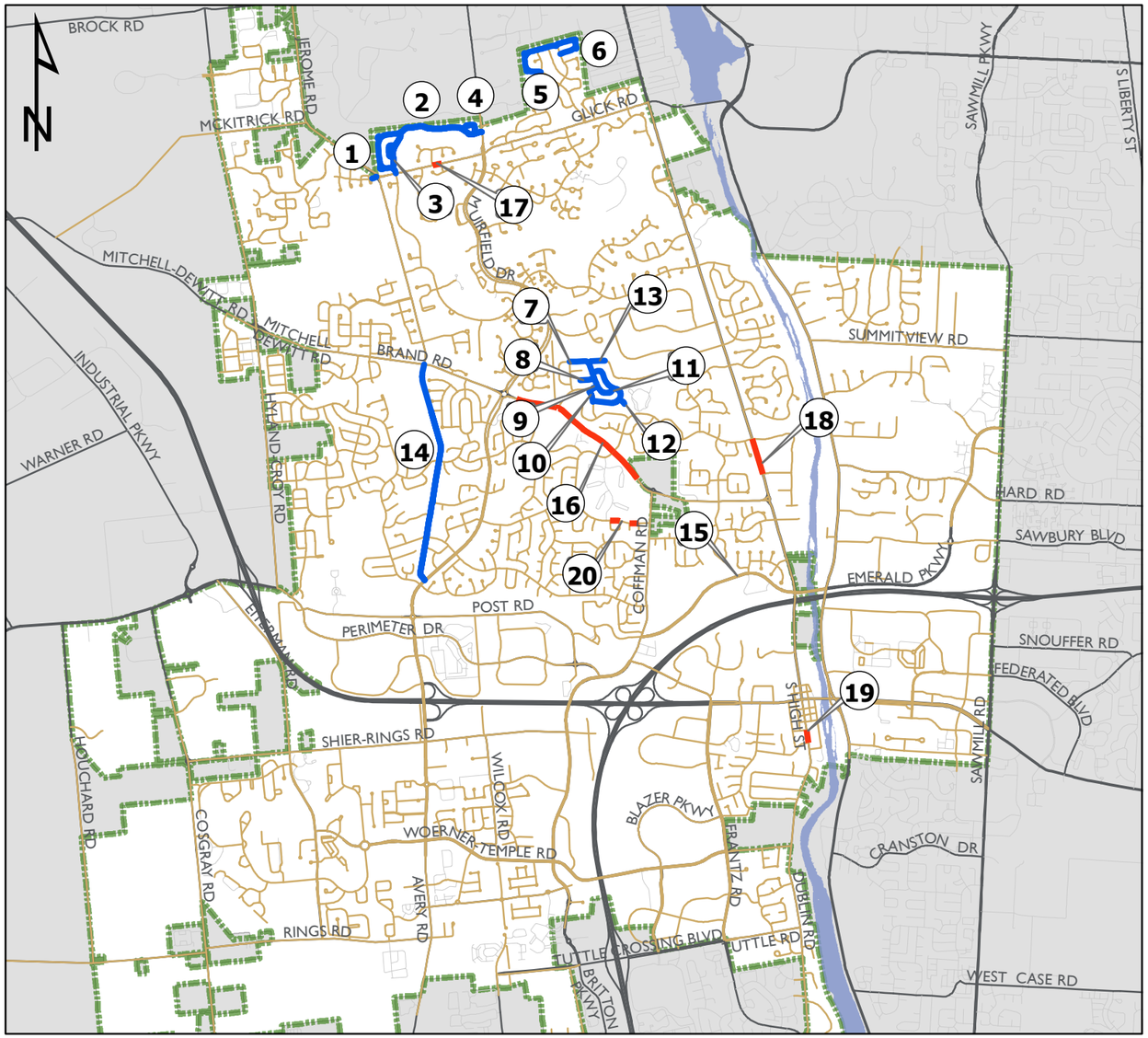
2015 STREET MAINTENANCE PROGRAM
PART 2

City of Dublin



Date: 5/18/2015

Map No.	Location	Sheet Numbers				
		Roadway and Concrete Work	Curb Ramp Details	Traffic and Striping	Estimated Quantities and Construction Details	Maintenance of Traffic*
1	Davington Drive	1-2	-	9	11	
2	Deeside Drive	3-8	-	10	12	
3	Tayport Drive	2-4	-	-	11	
4	Barassie Place	7	-	-	13	
5	Duddingston Drive	14-16	-	-	18	
6	Morlich Square	16-17	-	-	19	
7	Fawnbrook Lane	20-23	31-33,35	36-38,40	41	
8	Fawnbrook Court	24	32	37	42	
9	Bristol Drive	25	33	38	43	
10	Crawley Drive	25	33-34	38-39	44	
11	Heatherwood Lane	26-29	32,34-35	37,39-40	45	
12	Heatherwood Court	27	34	-	46	
13	Rushwood Drive	30	31	36	47	
14	Avery Road	48-53	(SPEED HUMPS 50, 60)	54-59	61	
15	Emerald Parkway - Repair	62	-	63	64	
16	Brand Road - Repairs	65-71	-	-	72	
17	Glick Road - Repair	73	-	74	75	
18	Dublin Road @ Limerick Lane	76-82	-	-	83	
19	S. High Street - Repair	84	-	-	85	
20	Earlington Parkway - Repair	86-87	-	88-89	90	

* GENERAL MAINTEANCE OF TRAFFIC REQUIREMENTS ARE SPECIFIED IN THE SUPPLEMENTAL SPECIFICATIONS AND SCD'S

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	
CITY OF DUBLIN		CITY OF DUBLIN		ODOT		CITY OF COLUMBUS			
MD-05	5/1/2014	RD-01	5/1/2014	TC-72.20		AA-S120	7/9/2012	CITY OF DUBLIN	AS PROVIDED
PD-01	5/1/2014	RD-02	5/1/2014			AA-S121	7/9/2012		
PD-02	5/1/2014	RD-03	5/1/2014	MT-99.20	7/19/2013	AA-S123	8/8/2014	ODOT 800	1/21/2015
PD-03	5/1/2014	RD-05	5/1/2014	MT-97.12 **	7/18/2014	AA-S126	12/6/2013		
PD-04	5/1/2014	RD-06	5/1/2014	MT-97.11 *	7/18/2014	AA-S125A	8/8/2014		
PD-05	5/1/2014	RD-07	5/1/2014	MT-97.10	7/18/2014	AA-S133	8/8/2014		
PD-06	5/1/2014	RD-11	5/1/2014	MT-95.61	7/19/2013	AA-S134	8/8/2014		
PD-07	5/1/2014	RD-12	5/1/2014	MT-95.60	7/19/2013	AA-S159	7/9/2012		
PD-08	5/1/2014	RD-14	5/1/2014			AA-S142	12/6/2013		
PD-09	5/1/2014			BP-3.1	7/18/2014				
PD-10	5/1/2014								
PD-11	5/1/2014			CB-2.1	1/8/2013				
PD-12	5/1/2014			CB-2.2	1/17/2014				
				* Residential					
				** Collector / Arterial					

LEGEND

- ROADWAY CONSTRUCTION
- Pavement Repairs and Roadside Improvements

CITY OF DUBLIN PROJECT NO. 15-001.2-CIP

GENERAL

THE REQUIREMENTS OF THE CITY OF DUBLIN, TOGETHER WITH THE CITY OF COLUMBUS (2012) AND OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT EDITIONS, AND ANY SUPPLEMENTS THERETO (HEREAFTER REFERRED TO AS STANDARD SPECIFICATIONS), SHALL GOVERN ALL CONSTRUCTION ITEMS UNLESS OTHERWISE NOTED.

IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM THE CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR COMPLETION OF THE WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK, THOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, SUCH INCIDENTAL ITEMS AS RELOCATION OF MAIL BOXES, SAW CUTTING, AND REMOVAL AND/OR RELOCATION OF SIGNS, SPRINKLERS, OR OTHER MISCELLANEOUS ITEMS.

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR WITH THE COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS RELATED ITEMS.

THE CONTRACTOR INTENDING TO SUBMIT A BID FOR CITY OF DUBLIN CAPITAL IMPROVEMENT CONTRACTS SHALL BE PREQUALIFIED WITH THE OHIO DEPARTMENT OF TRANSPORTATION IN ACCORDANCE WITH SECTION 102 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND CHAPTER 5525 OF THE OHIO REVISED CODE CONCERNING CONSTRUCTION CONTRACTS.

THE CONTRACTOR SHALL NOTIFY THE CITY OF DUBLIN DIVISION OF ENGINEERING AT LEAST 10 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR SHALL COORDINATE TO FACILITATE WORK BY OTHERS IN THE RIGHT-OF-WAY AND OUTSIDE OF THE CONSTRUCTION LIMITS.

THE CITY ENGINEER IS NOT RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN. THE CITY ENGINEER IS NOT RESPONSIBLE FOR SAFETY ON THE WORK SITE, OR FOR FAILURE BY THE CONTRACTOR TO PERFORM WORK ACCORDING TO THE CONTRACT DOCUMENTS.

THE CITY IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE CAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.

ANY MODIFICATIONS TO THE WORK AS SHOWN ON THESE APPROVED PLANS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

THE CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITY TO PUBLIC RIGHT-OF-WAY, AREAS DEFINED AS PERMANENT AND/OR TEMPORARY CONSTRUCTION EASEMENTS, AND/OR THE LIMITS OF DISTURBANCE SHOWN.

PROPERTY BOUNDARIES, INCLUDING PROPERTY LINES AND ROAD RIGHTS-OF-WAY, ARE SHOWN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT NECESSARILY COMPLETE OR CORRECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE FINISHED WORK CONFORM TO THE LINES, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR ON THE DRAWINGS AND TYPICAL SECTIONS. PAYMENT FOR CONSTRUCTION LAYOUT SHALL BE MADE AT THE LUMP SUM PRICE BID FOR ITEM 623, CONSTRUCTION LAYOUT STAKES, IF SPECIFIED.

NON-RUBBER TIRED VEHICLES SHALL NOT BE MOVED ON OR ACROSS PUBLIC STREETS OR HIGHWAYS WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. DRAINAGE DITCHES OR WATER COURSES THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THE GRADES AND CROSS-SECTIONS THAT EXISTED BEFORE CONSTRUCTION.

ALL NON-PAVEMENT AREAS DISTURBED WITHIN THE DESIGNATED EASEMENTS, RIGHTS-OF-WAY, AND LIMITS OF DISTURBANCE AS SHOWN, SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH ITEM 659, VEGETATION (SEED/MULCH), ALL AREAS DISTURBED OUTSIDE THESE LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

TRACKING OR SPILLING MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS, OR BIKE PATHS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. IF THE CONTRACTOR FAILS TO REMOVE THE MUD, DIRT, DEBRIS, OR SPILLAGE, THE CITY OF DUBLIN RESERVES THE RIGHT TO REMOVE THESE MATERIALS AND CLEAN AFFECTED AREAS, THE COST OF WHICH (MULTIPLIED BY 2.5) SHALL BE WITHHELD FROM MONIES THAT ARE DUE OR MAY BECOME DUE THE CONTRACTOR.

EXCESS EXCAVATED MATERIAL FROM THIS PROJECT SHALL BE HAULED OFF-SITE BY THE CONTRACTOR AND COMPENSATION FOR HAULING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.

ALL SIGNS, LANDSCAPING, STRUCTURES, OR OTHER APPURTENANCES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE PAID FOR BY THE CONTRACTOR.

EXISTING CONCRETE CURB AND CONCRETE CURB AND GUTTER SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR WHERE INDICATED ON THE PLANS IN ACCORDANCE WITH ITEM 202. SEPARATE PAY ITEMS MAY BE PROVIDED FOR EACH CURB TYPE.

THE COST OF ALL ASPHALT PAVEMENT REMOVAL AND DISPOSAL SHALL BE INCLUDED IN THE PRICE BID PER CUBIC YARD FOR ITEM 203, EXCAVATION. THE COST OF CONCRETE PAVEMENT REMOVAL AND DISPOSAL WILL BE PAID AT THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 202, PAVEMENT REMOVED AND DISPOSED OF.

THE CONTRACTOR'S CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED SO AS TO ELIMINATE ALL UNNECESSARY NOISE, DUST, AND ODORS. THE USE OF OIL OR OTHER MATERIAL FOR DUST CONTROL, WHICH MAY CAUSE TRACKING, IS NOT PERMITTED.

TRENCH EXCAVATION SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF TRENCH OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

DUST CONTROL OPERATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER.

IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS AND OTHER WARNING OR PROTECTIVE DEVICES) BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK AS REQUIRED BY THE CONTRACT, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY SHALL BE REQUIRED TO NOTIFY OR ATTEMPT TO NOTIFY THE DESIGNATED REPRESENTATIVE OF THE CONTRACTOR OF THE NECESSITY TO PERFORM SUCH WORK. IF THE CONTRACTOR REFUSES OR FAILS WITHIN A REASONABLE TIME TO PERFORM OR CAUSE THE PERFORMANCE OF SUCH WORK, THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR IN THE AMOUNT PROVIDED HEREIN BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NEXT PAYMENT UNDER THE CONTRACT. REASONABLE TIME FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE CITY.

WORKING HOURS

THE CONTRACTOR IS PERMITTED TO WORK BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY. PERMISSION TO WORK ON SATURDAY, SUNDAY AND HOLIDAYS MUST BE REQUESTED IN WRITING AND APPROVED BY THE CITY ENGINEER.

STAGING AREA

THE CONTRACTOR SHALL MAKE HIS OWN PROVISIONS TO PROVIDE A STAGING AREA.

DRAINAGE

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES STORM SEWER, DRAIN, AND DITCH FLOWS THROUGH EXISTING FACILITIES UNTIL NEW FACILITIES ARE COMPLETED AND PUT INTO SERVICE. THE FLOW OF ALL STORM SEWERS, DRAINS, AND OTHER WATER COURSES ENCOUNTERED AND DISTURBED OR DESTROYED DURING THE PROSECUTION OF THE WORK SHALL BE RESTORED BY THE CONTRACTOR TO A CONDITION SATISFACTORY TO THE CITY ENGINEER. PAYMENT FOR THIS SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

ALL FIELD TILE BROKEN OR ENCOUNTERED DURING EXCAVATION SHALL BE REPLACED OR REPAIRED IN LIKE KIND AND CONNECTED TO THE NEAREST STORM SEWER OR OPEN CHANNEL OUTLET, RESTORING NORMAL FUNCTION TO THE TILE, AS DIRECTED BY THE CITY ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

WHERE THE WORK CALLS FOR RELOCATION OF EXISTING DITCHES OR STORM SEWER, THE CONTRACTOR SHALL REESTABLISH THE OUTLETS OF ALL PRIVATE DRAINS ENCOUNTERED; SUCH AS DOWNSPOUTS, FOUNDATION DRAINS, CATCH BASINS, YARD DRAINS, ETC., INTO THE NEAREST NEW DITCH OR STORM SEWER. THE COST FOR REESTABLISHING PRIVATE DRAIN OUTLETS SHALL BE INCLUDED IN THE VARIOUS STORM SEWER ITEMS.

ITEM 601 ROCK CHANNEL PROTECTION (BY TYPE) WITH FILTER FABRIC SHALL BE PROVIDED AT THE OUTLET END OF ALL STORM SEWERS AS ON ODOT STANDARD DRAWING HW-2.2M, AND THE LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS. ITEM 601 MATERIALS SHALL CONSIST OF NATURAL, BROKEN, OR CRUSHED ROCK. BROKEN CONCRETE MATERIALS ARE UNACCEPTABLE. THE FILTER UNDERLYING ROCK CHANNEL PROTECTION SHALL BE FILTER FABRIC AS PER SECTION 601.08.

REVIEW OF DRINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY, REPRESENTATIVES OF THE CITY AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS AND CATCH BASINS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CITY. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING AND REMOVAL OF DEBRIS DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHOULD DOCUMENT THE PRESENCE OF ANY DEBRIS PRESENT PRIOR TO CONSTRUCTION. ANY DEBRIS PRESENT THAT IS, IN THE ENGINEERS OPINION, RELATED TO THE CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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

PAYMENT FOR ALL INSPECTIONS, CLEANING, AND MAINTENANCE OF EXISTING AND NEW STORM SEWER SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RELATED ITEMS.

BACKFILL

BACKFILL WITHIN A 1:1 INFLUENCE LINE OF EXISTING STRUCTURES (PAVEMENTS, SIDEWALKS, CURBS, ETC.) SHALL BE ITEM 912, COMPACTED GRANULAR MATERIAL, OR ITEM 636, TYPE 2.

TRENCHES WITHIN 2 FEET OF PROPOSED PAVEMENT, CURB AND GUTTER, BERM, SHOULDERS, SIDEWALK, OR BIKE PATH, OR WHERE SPECIFICALLY CALLED FOR ON THE PLANS, SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS.

GRANULAR BACKFILL SHALL BE COMPACTED GRANULAR MATERIAL ACCORDING TO ITEM 912 OF THE STANDARD SPECIFICATIONS OR CONTROLLED DENSITY BACKFILL ACCORDING TO ITEM 636, TYPE 3, OF THE STANDARD SPECIFICATIONS AS DIRECTED BY THE CITY ENGINEER. ITEM 912 MATERIAL SHALL CONSIST OF NATURAL, BROKEN, OR CRUSHED ROCK. SYNTHETIC OR MANMADE MATERIALS ARE UNACCEPTABLE.

ALL TRENCHES WITHIN PAVEMENT, BERM, AND SHOULDER LIMITS SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS. TRENCHES OUTSIDE THESE AREAS SHALL BE BACKFILLED OR SHALL BE PROTECTED BY APPROVED TEMPORARY FENCING OR BARRICADES DURING NONWORKING HOURS. CLEAN UP SHALL FOLLOW CLOSELY BEHIND THE TRENCHING OPERATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE TRENCHES FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE OF THE WORK, AND SHALL MAKE ANY NECESSARY REPAIRS AT NO COST TO THE CITY.

EROSION AND SEDIMENTATION CONTROL

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENTATION RUNOFF FROM THE SITE.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONSP AND DIMENSIONS MAY BE MADE BY THE ENGINEER AS REQUIRED.

TEMPORARY EROSION CONTROL FEATURES SHALL BE ADEQUATELY MAINTAINED AND SHALL BE REMOVED OR REPLACED WHEN DIRECTED BY THE CITY ENGINEER AT NO EXTRA COST TO THE CITY.

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, ROCK CHANNEL PROTECTION, SEEDING, ETC.

STORAGE OF MATERIALS

NO MATERIALS, INCLUDING PIPE, SHALL BE STORED WITHIN TWENTY (20) FEET OF ANY INTERSECTING STREET OR DRIVEWAY. DURING NON-WORKING HOURS, STORAGE OR EQUIPMENT SHALL COMPLY WITH THESE SAME REQUIREMENTS AND SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC. NO MATERIALS ARE TO BE STOCKED, STORED OR DUMPED UPON ANY ROADWAY WITH OUT THE PERMISSION OF THE ENGINEER.

DRAWN BY: DAL
REVISED 4/02/2015

STREET MAINTENANCE PROGRAM GENERAL NOTES

15-001-CIP

PAVEMENT

PAVEMENTS SHALL BE CUT IN NEAT, STRAIGHT LINES TO THE FULL DEPTH OF THE PAVEMENT, OR AS REQUIRED BY THE CITY ENGINEER.

BUTT JOINTS BETWEEN EXISTING AND NEW PAVEMENT SHALL BE MADE WHERE INDICATED ON THE PLANS IN ACCORDANCE WITH ODOT STD. CONSTRUCTION DWG. BP-3.1.

THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER AT THE PRE-CONSTRUCTION MEETING HIS PROPOSED DESIGN MIX FORMULA FOR ALL BITUMINOUS MIXTURES TO BE PLACED ON THE PROJECT FOR REVIEW AND APPROVAL. A DESIGN MIX FORMULA SHALL BE SUBMITTED FOR EACH MIXTURE AND EACH PRODUCER AND SHALL PROVIDE GRADATION OF ALL COMPONENT AGGREGATES, PERCENTAGE OF BLENDING OF AGGREGATES, PERCENTAGE OF BITUMEN, ANY ADDITIVES AND APPLICATION RATE, NAMES AND ADDRESSES OF AGGREGATE SUPPLIERS, MARSHALL MIX DESIGN DATA, AND THE THEORETICAL LABORATORY DENSITY.

THE CONTRACTOR SHALL NOT USE ANY RECLAIMED MATERIALS IN ITEM 304.

RECLAIMED MATERIAL (AGGREGATE) IS PERMITTED TO BE INCORPORATED IN THE FOLLOWING, AND SUBJECT TO THE LISTED MAXIMUMS LIMITS. THE JMF MUST ACCOUNT FOR THE USE OF THE RECLAIMED MATERIAL IN THE MIX DESIGN PROCESS.

ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE-1, (448), PG64-22
MAXIMUM 20% RECLAIMED MATERIAL

ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE-2, (448), PG64-22
MAXIMUM 35% RECLAIMED MATERIAL

AGGREGATE SHALL CONSIST OF NATURAL, BROKEN OR CRUSHED ROCK. SYNTHETIC OR MAN-MADE MATERIALS ARE NOT PERMITTED.

STORM SEWER

ALL STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM DESIGNATION C76, WALL B, CLASS IV FOR PIPE DIAMETERS 12 INCHES TO 15 INCHES AND CLASS III FOR 18 INCHES AND LARGER, UNLESS OTHERWISE SHOWN ON THE PLANS.

ALL INLETS, CATCH BASINS, AND MANHOLES SHALL BE CHANNELIZED.

ALL CATCH BASINS AND CURB INLETS MUST BE FURNISHED WITH BIKE SAFE GRATES.

ROADWAY UNDERDRAINS SHALL BE DISCHARGED INTO THE NEAREST STORM WATER STRUCTURE AVAILABLE ALONG THE LINE OF FLOW UNLESS SHOWN OTHERWISE ON THE PLANS.

HDPE FLARED ENDS CALLED FOR ON THE PLANS SHALL BE ADVANCED DRAINAGE SYSTEMS (ADS) "FLARED END SECTIONS", OR APPROVED EQUAL, WITH THREADED RODS AND WING NUTS. N-12 ADAPTER FITTINGS FOR CONNECTION TO CONCRETE PIPE SHALL BE INCLUDED IN THE PER EACH PRICE BID FOR THE FLARED END SECTIONS.

ALL EXISTING CONDUITS, INLETS, CATCH BASINS AND MANHOLES WITHIN THE CONSTRUCTION LIMITS SHALL BE INSPECTED PRIOR TO ANY CONSTRUCTION ACTIVITIES. ANY DEBRIS PRESENT PRIOR TO CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. ALL DEBRIS DISCOVERED DURING AND FOLLOWING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE. ALL EXISTING CONDUITS, INLETS, CATCH BASINS AND MANHOLES WITHIN THE CONSTRUCTION LIMITS SHALL BE INSPECTED FOLLOWING ALL CONSTRUCTION ACTIVITIES.AS AND SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEANED CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

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

PAYMENT FOR ALL INSPECTIONS, CLEANING, AND MAINTENANCE OF EXISTING AND NEW STORM SEWER SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RELATED ITEMS.

WHERE PLANS CALL FOR CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES FOR BOTH LINE AND GRADE PRIOR TO THE START OF PIPE LAYING. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT OR EXISTING APPURTENANCE TO BE CONNECTED DIFFERS FROM THE PLAN ELEVATION, THE CITY ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF IT IS CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION ON ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

ALL PRECAST CONCRETE PRODUCTS SHALL BE INSPECTED AT THE LOCATION OF MANUFACTURE. APPROVED PRECAST CONCRETE PRODUCTS WILL BE STAMPED AS HAVE SUCH IDENTIFICATION NOTING THAT INSPECTION HAS BEEN PERFORMED BY THE CITY OF COLUMBUS. PRECAST CONCRETE PRODUCTS WITHOUT PROOF OF INSPECTION SHALL NOT BE APPROVED FOR INSTALLATION.

PAYMENT FOR THE DETERMINATION OF LINE AND GRADE OF EXISTING UTILITIES AS REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT CONTRACT ITEMS.

ALL EXISTING AND PROPOSED CASTINGS SHALL BE ADJUSTED TO MATCH THE SURROUNDING FINISH GRADE BY THE CONTRACTOR. TOP OF CASTING ELEVATIONS PROVIDED IN THE PLANS ARE APPROXIMATE. THE COST OF ALL CASTING ADJUSTMENTS SHALL BE INCLUDED IN THE VARIOUS SEWER ITEMS.

UTILITIES

UTILITIES KNOWN TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT ARE LISTED BELOW WITH CONTACT INFORMATION.

COLUMBIA GAS OF OHIO
MATT MEYERS
FIELD ENGINEER
1600 DUBLIN ROAD
COLUMBUS, OHIO 43215
OFFICE: 614-818-2113
CELL: 614-315-3770

AMERICAN ELECTRIC POWER
PAUL PAXTON
REGION TECHNICIAN
850 TECH CENTER DRIVE
GAHANNA, OHIO 43230-6605
OFFICE: 614-883-6831
CELL: 614-949-8883

CITY OF COLUMBUS
DIVISION OF WATER.
910 DUBLIN ROAD
2ND FLOOR
COLUMBUS, OH 43215
OFFICE: 614-645-7677

CITY OF DUBLIN
DIVISION OF ENGINEERING
DARREN LEE, P.E.
5800 SHIER-RINGS ROAD
DUBLIN, OHIO 43016
OFFICE: 614-410-4625
CELL: 614-743-9973

DUBLINK DEVELOPMENTS
DEAN PENCE
1810 ARLINGTON LANE
COLUMBUS, OH 43228
OFFICE: 614-274-8100

AT&T (CABLE)
ROGER MIKESELL
111 NORTH FOURTH STREET
ROOM 802
COLUMBUS, OH 43215
OFFICE: 614-223-7162

AT&T (CONDUIT)
GARY VAN ALMSICK
111 NORTH FOURTH STREET
ROOM 802
COLUMBUS, OH 43215
OFFICE: 614-223-7276

TIME WARNER CABLE
RAY MAURER
CONSTRUCTION SUPERVISOR
3760 INTERCHANGE DRIVE
COLUMBUS, OHIO 43204
OFFICE: 614-481-5262
CELL: 614-348-2979

WIDE OPEN WEST
MARK FREY
CONSTRUCTION MANAGER
3675 CORPORATE DRIVE
COLUMBUS, OH 43231
OFFICE: 614-948-4653
CELL: 614-668-7632

TEAM FISHEL
JOE TEPPER
PROJECT ENGINEER
1600 WALCUTT ROAD
COLUMBUS, OH 43228
OFFICE: 614-921-4616
CELL: 614-323-8079

THE CONTRACTOR SHALL GIVE NOTICE OF INTENT TO CONSTRUCT TO OHIO UTILITIES PROTECTION SERVICE (TELEPHONE NUMBER 800-362-2764) AND TO OWNERS OF UNDERGROUND UTILITIES THAT ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE. NOTICE SHALL BE GIVEN AT LEAST 2 WORKING DAYS BEFORE START OF CONSTRUCTION.

THE CITY OF DUBLIN AND THE CITY ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES, SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT.

WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER AND THE CITY ENGINEER.

SURVEY MONUMENTATION

THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCH MARKS, PROPERTY CORNERS, REFERENCE POINTS, STAKES, AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IN CASES OF DESTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATIONS. RESETTING OF MARKERS SHALL BE PERFORMED BY AN OHIO PROFESSIONAL SURVEYOR AS APPROVED BY THE CITY ENGINEER AT THE CONTRACTOR'S EXPENSE.

CONSTRUCTION NOISE

ANY DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANOR THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARY AND NECESSARY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SUBMITTALS

CONTRACTOR TO FURNISH ENGINEER WITH SUBMITTALS DETAILING TYPE OF PIPE, FITTINGS, JOINTS, STRUCTURES, HYDRANTS, CULVERTS, ETC. FOR THEIR APPROVAL PRIOR TO BEGINNING FABRICATION.

PROPOSED CURB ELEVATION(S): THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE EXISTING AND PROPOSED CURB ELEVATIONS FOR WORK AREAS PRIOR TO COMMENCEMENT OF CURB REMOVAL AND REPLACEMENT. THE CONTRACTOR SHALL BRING TO THE ENGINEERS ATTENTION ANY PROBLEM AREAS THAT MAY NEED ADJUSTMENT THAT IMPACT ADJACENT AREAS NOT INCLUDED WITHIN THE PLANNED LIMITS.

CONSTRUCTION LAYOUT

ALL CONSTRUCTION LAYOUT STAKES FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR.

SCHEDULE

THE CONTRACTOR SHALL SUBMIT A WORK SCHEDULE TO THE CITY ENGINEER AT THE TIME OF THE PRE-CONSTRUCTION MEETING. THIS SCHEDULE WILL DETAIL THE TIMING OF THE WORK ACTIVITIES FOR THE VARIOUS SECTIONS OF THE PROJECT.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE CITY ENGINEER.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN INCLUDED FOR USE AS NEEDED AND AS DIRECTED BY THE ENGINEER:

ITEM	DESCRIPTION	QTY	UNIT
ITEM 202	CURB/CURB AND GUTTER REMOVED / DISPOSED OF, A.P.P.	500	LF
ITEM 202	CONCRETE REMOVED AND DISPOSED OF, A.P.P	150	SY
ITEM 202	ASPHALT DRIVE PAVEMENT REMOVED AND DISPOSED OF A.P.P.	125	SY
ITEM 204	EXCAVATION, ROADWAY UNDERCUT, A.P.P.	700	CY
ITEM 204	NO 2 STONE (703)	500	CY
ITEM 251	ASPHALT SURFACE PATCH - MISCELLANEOUS, 2"	200	SY
ITEM 304	AGGREGATE BASE	200	CY
ITEM 604	STRUCTURE - RECONSTRUCT/ADJUST CB/INLET	5	EA
ITEM 614	LEO w/ PATROL CAR	30	HR
ITEM 614	FLAGGER - [DEDICATED FLAGGER]	60	HR
ITEM 624	MOBILIZATION - UNDERCUT/BASE REPAIR	3	EA
ITEM 608	6" CONCRETE WALK w/ AGG. BASE, A.P.P.	1300	SF
ITEM 609	COMBINATION CURB/GUTTER, A.P.P.	500	LF
ITEM 618	DRAIN LEADER PIPE	200	LF
ITEM 653	PULVERIZED TOPSOIL, A.P.P.	140	CY
ITEM 659	VEGETATION (SEED/MULCH), A.P.P.	400	SY
ITEM 802	VALVE BOX - ADJUST TO GRADE	2	EA
ITEM 802	WATER SERVICE BOX - ADJUST TO GRADE	6	EA

DRAWN BY: DAL
REVISED 4/02/2015

STREET MAINTENANCE PROGRAM GENERAL NOTES

15-001-CIP

ITEM 201 – TREES AND STUMPS REMOVED

ALL TREES AND STUMPS MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER ITEM 201 – TREES OR STUMPS REMOVED. TREES WITH TRUNK DIAMETERS 12 INCHES AND LESS SHALL BE CONSIDERED BRUSH AND THEIR REMOVAL PAID UNDER ITEM 201 – CLEARING AND GRUBBING UNLESS DESIGNATED IN THE PLAN TO SAVE.

THE CITY OF DUBLIN RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES AND/OR STUMPS OUTSIDE THE CONSTRUCTION BUT WITHIN THE RIGHT–OF–WAY AND/OR EASEMENT LINES.

ITEM 204 – SUBGRADE COMPACTION

THE CITY SHALL PROVIDE AND PAY FOR ALL SOIL INSPECTION AND TESTING SERVICES BY A SOILS INSPECTOR DURING EARTHWORKJ OPERATIONS FOR PREPERATION OF THE SUBGRADE TO VERIFY THE COMPACTION REQUIREMENTS SET FORTH IN ITEM 203.07.

ALL EXCAVATION SHALL BE CONSIDERED AS UNCLASSIFIED, INCLUDING ROCK.

ALL SOIL SUBGRADES SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH ITEM 204 TO A DEPTH OF 12–INCHES BELOW THE SUBGRADE SURFACE. SUBGRADE SHALL BE SCARIFIED AND CONTAIN SUFFICIENT MOISTURE TO MEET ITEM 203 COMPACTION REQUIREMENTS.

SUBGRADE COMPACTION SHALL BE REQUIRED UNDER SIDEWALKS AND BIKE PATHS, AND SHALL FOLLOW THE REQUIREMENTS FOR COMPACTION UNDER DRIVEWAYS AS DESCRIBED IN SECTION 204.03.
THE CONTRACTOR SHALL DEFINE THE LIMITS OF ANY WEAK SOILS ENCOUNTERED BY PROOF ROLLING. WHERE SOFT SUBGRADE IS ENCOUNTERED IN CUTS, DUE TO NO FAULT OF THE CONTRACTOR, AND SATISFACTORY COMPACTION CANNOT BE OBTAINED, THE UNSTABLE MATERIAL SHALL BE REMOVED AND REPLACED PER SECTION 204.04.

ITEM 254 – PAVEMENT PLANING (VARIOUS DEPTHS), A.P.P.

SEE SUPPLEMENTAL SPECIFICATIONS.

MAINTENANCE OF TRAFFIC

ACCESS TO ALL ADJOINING PROPERTIES AS WELL AS ACCESS FOR MAIL, WATER, SANITARY SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR MAY SUBMIT ALTERNATIVE METHODS FOR THE MAINTENANCE OF TRAFFIC, PROVIDED THE INTENT OF THE PROVISIONS CONTAINED HEREIN IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. THE MAINTENANCE OF TRAFFIC PLAN MUST INCORPORATE ANY TRAFFIC CONTROL DETAILS CONTAINED WITHIN THESE CONSTRUCTION DRAWINGS. THE MAINTENANCE OF TRAFFIC PLAN PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

TRAFFIC CONTROL SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR ACCORDING TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) CURRENT EDITION.

ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AND SET UP FOR USE AND MAINTAINED AS NEEDED PRIOR TO BEGINNING OR RESUMING ANY CONSTRUCTION ACTIVITIES. IF THE TRAFFIC CONTROL DEVICES ARE NOT SET UP OR MAINTAINED AS DETAILED, PROPOSED AND ACCEPTED, OR REQUESTED THE CONTRACTOR WILL STOP CONSTRUCTION ACTIVITIES UNTIL SUCH TIME THE TRAFFIC CONTROL DEVICES ARE IN PLACE OR CORRECTED AS REQUESTED.

PAYMENT FOR THIS AND ALL TRAFFIC MAINTENANCE ITEMS (UNLESS OTHERWISE SPECIFIED) SHALL BE INCLUDED IN THE INDIVIDUAL BID ITEMS.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE–LANE, TWO–WAY TRAFFIC AT ALL TIMES UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS.

IF THE CITY ENGINEER DETERMINES PROPER PROVISIONS FOR THE TRAFFIC CONTROL ARE NOT BEING PROVIDED BY THE CONTRACTOR, THE CITY ENGINEER SHALL ASSIGN OFF–DUTY POLICE OFFICERS TO THE PROJECT AT THE CONTRACTORS EXPENSE.

STEADY–BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL DRUMS, BARRICADES AND SIMILAR TRAFFIC CONTROL DEVICES.

CONES ARE NOT APPROVED FOR NIGHT TIME LANE CLOSURES.

SEE SUPPLEMTAL SPECIFICATION FOR ADDITIONAL REQUIREMENTS.

ITEM 614 – LAW ENFORCEMENT OFFICE WITH PATROL CAR

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. A UNIFORMED, OFF–DUTY LAW ENFORCEMENT OFFICE WITH PATROL CAR WITH WORKING, TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE PROVIDED WHENEVER ONE–LANE, TWO–WAY TRAFFIC CONTROL IS IN EFFECT, OR AS APPROVED BY THE CITY ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR THESE SERVICES.

LAW ENFORCEMENT OFFICERS WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER

ITEM 614 – LAW ENFORCEMENT OFFICER WITH PATROL CAR

THE HOURS PAID BY THE CONTRACTOR SHALL INCLUDE MINIMUM SHOW–UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. THE CITY SHALL NOT PAY FOR SHOW–UP TIME DUE TO THE CONTRACTOR NOT CANCELING THE LEO DUE TO A CHANGE IN SCHEDULE OR INCLEMENT WEATHER.

LAW ENFORCEMENT OFFICERS (LEO'S) SHALL BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE CITY ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	DAVINGTON DR	DEESIDE DR	TAYPORT DR	BARASSIE PL	DUDDINGSTON DR	MORLICH SQ	FAWNBROOK LN	FAWNBROOK CT
		15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2	**SHEETS:**	1-2, 9,11	3-8, 10,12	2-4,11	7,13	14-16, 18	16-17, 19	20-23, 31-33, 35-38, 40-41	24,32,37,42
		Excavation and Removal									
1	202	Asphalt Pavement Removed and Disposed of, A.P.P. (SY)	196.0								
2	202	Bike Path Removed and Disposed of (SY)	9.0	9.0							
3	202	Concrete Removed & Disposed of, A.P.P. (SY)	674.0							94.0	38.0
4	202	Curb / Curb and Gutter Removed / Disposed of, A.P.P. (LF)	27,805.0	3963.0	7108.0	1840.0	600.0	3479.0	2204.0	3061.0	1000.0
5	202	Asphalt Drive Pavement Removed and Disposed of, A.P.P. (SY)	125.0								
6	203*	Embankment (CY)	130.0								
7	203*	Excavation, A.P.P. (CY)	320.0								
		Pavement and Related									
8	204*	Excavation, Roadway Undercut, A.P.P. (CY)	700.0								
9	204*	No. 2 Stone (703)	500.0								
10	204*	Subgrade Compaction (SY)	570.0								
11	209*	Linear Grading (SY)	865.0								
12	251*	Asphalt Surface Patch - Miscellaneous, 2" (SY)	205.0								
13	251*	Asphalt Surface Patch - Roadway, 1.5" (SY)	1,184.0								
14	253*	Pavement Repair, 6" A.P.P.	4,778.0								
15	254*	Pavement Planing, 1.5", A.P.P.(SY)	21,714.0	137.0	66.0			45.0			
16	254*	Pavement Planing, 3",A.P.P. (SY)	17,574.0							5470.0	1600.0
17	254*	Pavement Planing, 4.5",A.P.P. (SY)	27,705.0	4420.0	8269.0	4064.0	1462.0	5730.0	3760.0		
18	254*	Pavement Planing, Variable Depth (1.5"-5"), (SY)	144.0								
19	301*	Asphalt Concrete Base (TN)	4,757.0	740.0	1385.0	675.0	247.0	960.0	660.0		
20	304*	Aggregate Base (CY)	300.0								
21	407*	NTSS-1HM TracklessTack Coat (GAL)	7,387.0	340.0	630.0	305.0	110.0	435.0	300.0	960.0	280.0
22	411*	Stabilized Crushed Aggregate (CY)	50.0								
23	441*	(Bikepath) Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	1.5	1.5							
24	441*	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22 (TN)	1,846.0							540.0	160.0
25	441*	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	5,759.0	380.0	700.0	340.0	126.0	482.0	330.0	460.0	140.0
26	802	Valve Box - Adjust to Grade	2.0								
27	Special	Asphalt Rejuvenating Agent (SY)	45,662.0	4557.0	8335.0	4064.0	1462.0	5730.0	3760.0	5470.0	1600.0
28	Special	Seminol Speed Hump, 22Ft. (SF)	946.0								

REFERENCE NUMBER	ITEM	15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2 DESCRIPTION	ESTIMATED TOTAL QUANTITY	DAVINGTON DR (SHEETS: 1-2, 9,11)	DEESIDE DR (3-8, 10,12)	TAYPORT DR (2-4,11)	BARASSIE PL (7,13)	DUDDINGSTON DR (14-16, 18)	MORLICH SQ (16-17, 19)	FAWNBROOK LN (20-23, 31-33, 35-38, 40-41)	FAWNBROOK CT (24,32,37,42)
		Concrete and Concrete Structures									
29	608	4" Conc. Walk w/ Agg. Base, A.P.P. (SF)	3,522.0							650.0	280.0
30	608	6" Conc. Walk w/ Agg. Base, A.P.P. (SF)	1,505.0								
31	608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.(SF)	862.0							160.0	80.0
32	609	Combination Curb and Gutter, A.P.P. (LF)	27,067.0	3765.0	7030.0	1840.0	600.0	3221.0	2000.0	3061.0	1000.0
33	609	Combination Curb and Gutter, Heavy Duty, A.P.P. (LF)	738.0	198.0	78.0			258.0	204.0		
34	618	Drain Leader Pipe (LF)	200.0								
35	802	Water Service Box, Adjust to Grade	6.0								
36	Special	Curb Can Holes (EA)	487.0	68.0	116.0	32.0	12.0	59.0	47.0	56.0	23.0
37	Special	Detectable Warning Panel (SF)	224.0							32.0	16.0
		Pavement Marking*									
38	644	24" Transverse, (LF)	320.0								
39	644	4" Edge Line (white), (mile)	2.85								
40	644	4" Edge Line (Yellow), (mile)	0.05								
41	644	4" Lane Line (white), (mile)	0.05								
42	644	Bullnose (EA)	1.00								
43	644	Center Line- Double-(Yellow, Solid or Dashed), (mile)	1.7								
44	644	Channelizing Line, 8" (LF)	316.0								
45	644	Crosswalk Line, 12" (LF)	1,803.0	88.0						136.0	76.0
46	644	Lane Arrow, 72" (EA)	6.0								
47	644	School Symbol (EA)	2.0								
48	644	Stop Bar, 24" (LF)	286.0	13.0	15.0	22.0				24.0	12.0
49	647	Chevron Speed Hump Marking (EA)	4.0								
50	647	Share the Road Symbol, (EA)	1.0								

REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	DAVINGTON DR	DEESIDE DR	TAYPORT DR	BARASSIE PL	DUDDINGSTON DR	MORLICH SQ	FAWNBROOK LN	FAWNBROOK CT
		15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2	**SHEETS:**	1-2, 9,11	3-8, 10,12	2-4,11	7,13	14-16, 18	16-17, 19	20-23, 31-33, 35-38, 40-41	24,32,37,42
		Storm Sewer and Structures									
51	604	Structure- Adjust Inlet , A.P.P. (EA)	33.0	3.0	3.0		1.0	3.0	3.0	8.0	3.0
52	604	Structure- Reconstruct/Adjust CB/Inlet, A.P.P. (EA)	5.0								
		Landscaping and Restoration									
53	653	Pulverized Topsoil, A.P.P. (CY)	1,392.0	140.0	240.0	75.0	20.0	130.0	80.0	120.0	42.0
54	659	Vegetation (Seed/Mulch), A.P.P., (SY)	4,390.0							140.0	70.0
55	671	Erosion Control Mat, Type G	865.0								
		Maintenance of Traffic / Miscellaneous Items									
56	623	Construction Layout Staking - (Dublin Road), (LS)	1.0								
57	624	Mobilization - Undercut/Base Repair (EA)	3.0								
58	614	Flagger- [Dedicated Flagger] (HR)	638.0	64.0	72.0	48.0		72.0	50.0		
59	614	LEO w/ Patrol Car (HR)	77.0								
60	614	Maintaining Traffic, (Dublin Road), (LS)	1.0								
61	614*	Work Zone Striping, Arrow, Class 1, 642 Paint (EA)	4.0								
62	614*	Work Zone Striping, Channelizing Line, Class 1, 642 Paint (LF)	316.0								
63	614*	Work Zone Striping, Double Centerline, Class 1, 642 Paint (Mile)	1.6								
64	614*	Work Zone Striping, Edge Line, Class 1, 642 Paint (Mile)	2.8								
65	614*	Work Zone Striping, Stop Bar, Class 1, 642 Paint (EA)	28.0								

REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRISTOL DR	CRAWLEY DR	HEATHERWOOD LN	HEATHERWOOD CT	RUSHWOOD DR	AVERY RD - PART 1	AVERY RD - PART 2	EMERALD PKWY - SURFACE PATCH
		15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2	**SHEETS:**	25,33,38,43	25,33-34, 38-39, 44	26-29, 32, 34-35, 37, 39-40, 45	27, 34, 46	30,31,36,47	48-61	48-61	62-64
		Excavation and Removal									
1	202	Asphalt Pavement Removed and Disposed of, A.P.P. (SY)	196.0						196.0		
2	202	Bike Path Removed and Disposed of (SY)	9.0								
3	202	Concrete Removed & Disposed of, A.P.P. (SY)	674.0	87.0		90.0	42.0	101.0	24.0	48.0	
4	202	Curb / Curb and Gutter Removed / Disposed of, A.P.P. (LF)	27,805.0	210.0	685.0	1800.0	410.0	730.0	45.0	170.0	
5	202	Asphalt Drive Pavement Removed and Disposed of, A.P.P. (SY)	125.0								
6	203*	Embankment (CY)	130.0								
7	203*	Excavation, A.P.P. (CY)	320.0					10.0	196.0		
		Pavement and Related									
8	204*	Excavation, Roadway Undercut, A.P.P. (CY)	700.0								
9	204*	No. 2 Stone (703)	500.0								
10	204*	Subgrade Compaction (SY)	570.0						570.0		
11	209*	Linear Grading (SY)	865.0								
12	251*	Asphalt Surface Patch - Miscellaneous, 2" (SY)	205.0					5.0			
13	251*	Asphalt Surface Patch - Roadway, 1.5" (SY)	1,184.0								
14	253*	Pavement Repair, 6" A.P.P.	4,778.0						1880.0	1200.0	
15	254*	Pavement Planing, 1.5", A.P.P.(SY)	21,714.0		182.0				13725.5	6998.5	560.0
16	254*	Pavement Planing, 3",A.P.P. (SY)	17,574.0	815.0	1237.0	6022.0	1030.0	1400.0			
17	254*	Pavement Planing, 4.5",A.P.P. (SY)	27,705.0								
18	254*	Pavement Planing, Variable Depth (1.5"-5"), (SY)	144.0								144.0
19	301*	Asphalt Concrete Base (TN)	4,757.0						90.0		
20	304*	Aggregate Base (CY)	300.0					10.0	90.0		
21	407*	NTSS-1HM TracklessTack Coat (GAL)	7,387.0	142.0	235.0	1055.0	180.0	245.0	1375.0	700.0	95.0
22	411*	Stabilized Crushed Aggregate (CY)	50.0								
23	441*	(Bikepath) Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	1.5								
24	441*	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22 (TN)	1,846.0	80.0	120.0	592.0	100.0	140.0	52.0		62.0
25	441*	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	5,759.0	70.0	120.0	510.0	87.0	120.0	1234.0	600.0	60.0
26	802	Valve Box - Adjust to Grade	2.0								
27	Special	Asphalt Rejuvenating Agent (SY)	45,662.0	815.0	1417.0	6022.0	1030.0	1400.0			
28	Special	Seminol Speed Hump, 22Ft. (SF)	946.0							946.0	

REFERENCE NUMBER	ITEM	15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2 DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRISTOL DR	CRAWLEY DR	HEATHERWOOD LN	HEATHERWOOD CT	RUSHWOOD DR	AVERY RD - PART 1	AVERY RD - PART 2	EMERALD PKWY - SURFACE PATCH
		SHEETS:		25,33,38,43	25,33-34, 38-39, 44	26-29, 32, 34-35, 37, 39-40, 45	27, 34, 46	30,31,36,47	48-61	48-61	62-64
		Concrete and Concrete Structures									
29	608	4" Conc. Walk w/ Agg. Base, A.P.P. (SF)	3,522.0	640.0		645.0	300.0	515.0	158.0	334.0	
30	608	6" Conc. Walk w/ Agg. Base, A.P.P. (SF)	1,505.0					205.0			
31	608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.(SF)	862.0	160.0		160.0	80.0	110.0	44.0	68.0	
32	609	Combination Curb and Gutter, A.P.P. (LF)	27,067.0	210.0	685.0	1800.0	410.0	730.0	45.0	170.0	
33	609	Combination Curb and Gutter, Heavy Duty, A.P.P. (LF)	738.0								
34	618	Drain Leader Pipe (LF)	200.0								
35	802	Water Service Box, Adjust to Grade	6.0								
36	Special	Curb Can Holes (EA)	487.0	3.0	10.0	39.0	11.0	11.0			
37	Special	Detectable Warning Panel (SF)	224.0	32.0		32.0	16.0	24.0	56.0	16.0	
		Pavement Marking*									
38	644	24" Transverse, (LF)	320.0						320.0		
39	644	4" Edge Line (white), (mile)	2.85						1.66	1.14	
40	644	4" Edge Line (Yellow), (mile)	0.05								0.05
41	644	4" Lane Line (white), (mile)	0.05								0.05
42	644	Bullnose (EA)	1.00						1.00		
43	644	Center Line- Double-(Yellow, Solid or Dashed), (mile)	1.7						1.04	0.56	
44	644	Channelizing Line, 8" (LF)	316.0						316.0		
45	644	Crosswalk Line, 12" (LF)	1,803.0	120.0		126.0		110.0	820.0	327.0	
46	644	Lane Arrow, 72" (EA)	6.0						6.0		
47	644	School Symbol (EA)	2.0						1.0	1.0	
48	644	Stop Bar, 24" (LF)	286.0	24.0		24.0		12.0	75.0	65.0	
49	647	Chevron Speed Hump Marking (EA)	4.0							4.0	
50	647	Share the Road Symbol, (EA)	1.0								1.0

REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRISTOL DR	CRAWLEY DR	HEATHERWOOD LN	HEATHERWOOD CT	RUSHWOOD DR	AVERY RD - PART 1	AVERY RD - PART 2	EMERALD PKWY - SURFACE PATCH
		15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2	**SHEETS:**	25,33,38,43	25,33-34, 38-39, 44	26-29, 32, 34-35, 37, 39-40, 45	27, 34, 46	30,31,36,47	48-61	48-61	62-64
		Storm Sewer and Structures									
51	604	Structure- Adjust Inlet , A.P.P. (EA)	33.0		3.0	5.0	1.0				
52	604	Structure- Reconstruct/Adjust CB/Inlet, A.P.P. (EA)	5.0								
		Landscaping and Restoration									
53	653	Pulverized Topsoil, A.P.P. (CY)	1,392.0	24.0	25.0	86.0	22.0	36.0	92.0	50.0	
54	659	Vegetation (Seed/Mulch), A.P.P., (SY)	4,390.0	160.0		160.0	75.0	120.0	1537.0	863.0	
55	671	Erosion Control Mat, Type G	865.0								
		Maintenance of Traffic / Miscellaneous Items									
56	623	Construction Layout Staking - (Dublin Road), (LS)	1.0								
57	624	Mobilization - Undercut/Base Repair (EA)	3.0								
58	614	Flagger- [Dedicated Flagger] (HR)	638.0						80.0	60.0	9.0
59	614	LEO w/ Patrol Car (HR)	77.0								9.0
60	614	Maintaining Traffic, (Dublin Road), (LS)	1.0								
61	614*	Work Zone Striping, Arrow, Class 1, 642 Paint (EA)	4.0						4.0		
62	614*	Work Zone Striping, Channelizing Line, Class 1, 642 Paint (LF)	316.0						316.0		
63	614*	Work Zone Striping, Double Centerline, Class 1, 642 Paint (Mile)	1.6						1.04	0.56	
64	614*	Work Zone Striping, Edge Line, Class 1, 642 Paint (Mile)	2.8						1.66	1.14	
65	614*	Work Zone Striping, Stop Bar, Class 1, 642 Paint (EA)	28.0						28.0		

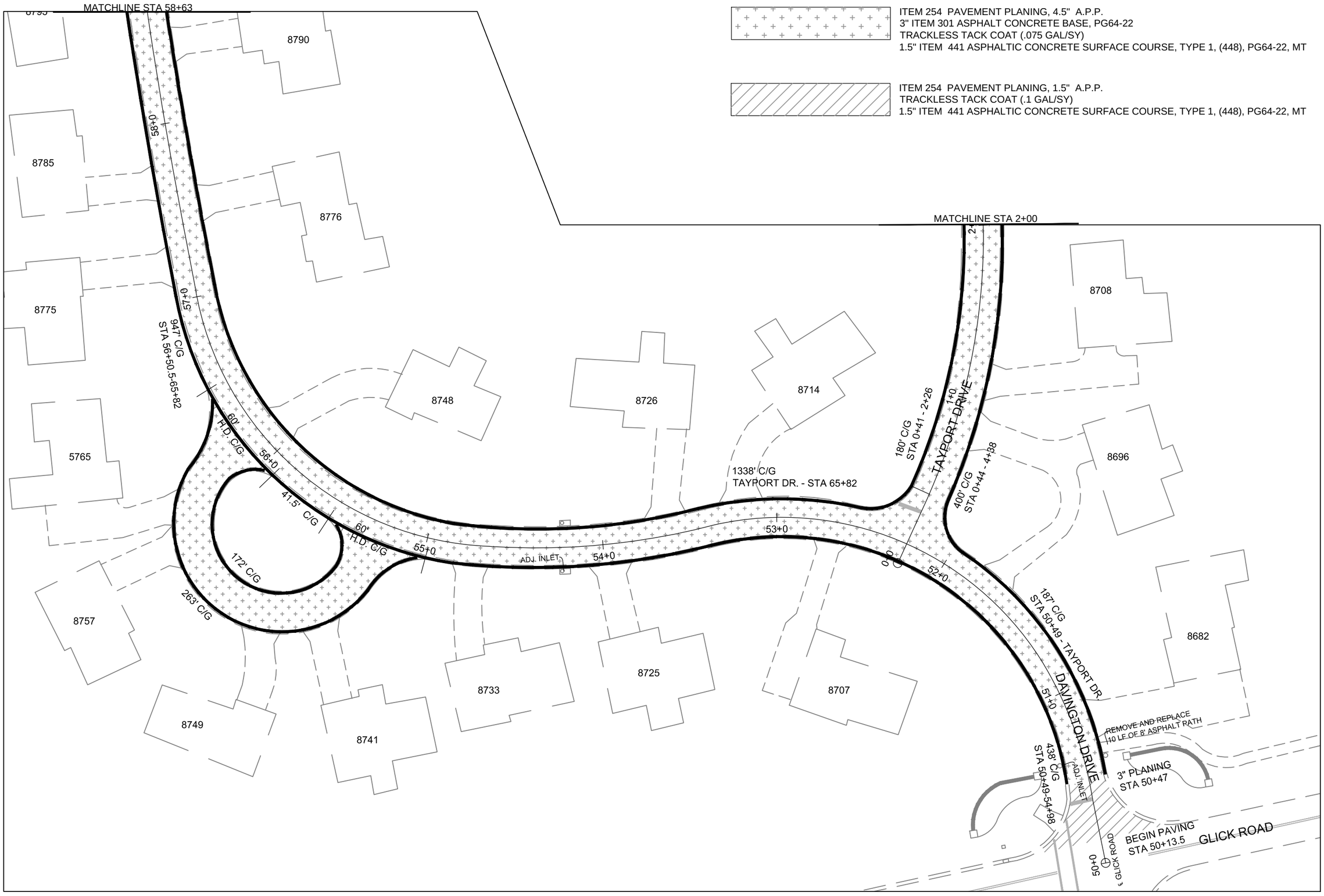
REFERENCE NUMBER	ITEM	15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2 DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRAND RD - PAVEMENT REPAIRS (65-72)	GLICK RD - SURFACE PATCH (73-75)	DUBLIN RD AT LIMERICK LANE (76-83)	S HIGH ST (84-85)	EARLINGTON PKWY - SURFACE PATCH (86-90)	MISCELLANEOUS LOCATIONS / PROVISIONS (Gen . Notes I I/ III)
		Excavation and Removal							
1	202	Asphalt Pavement Removed and Disposed of, A.P.P. (SY)	196.0						
2	202	Bike Path Removed and Disposed of (SY)	9.0						
3	202	Concrete Removed & Disposed of, A.P.P. (SY)	674.0						150.0
4	202	Curb / Curb and Gutter Removed / Disposed of, A.P.P. (LF)	27,805.0						500.0
5	202	Asphalt Drive Pavement Removed and Disposed of, A.P.P. (SY)	125.0						125.0
6	203*	Embankment (CY)	130.0			130.0			
7	203*	Excavation, A.P.P. (CY)	320.0			114.0			
		Pavement and Related							
8	204*	Excavation, Roadway Undercut, A.P.P. (CY)	700.0						700.0
9	204*	No. 2 Stone (703)	500.0						500.0
10	204*	Subgrade Compaction (SY)	570.0						
11	209*	Linear Grading (SY)	865.0			865.0			
12	251*	Asphalt Surface Patch - Miscellaneous, 2" (SY)	205.0						200.0
13	251*	Asphalt Surface Patch - Roadway, 1.5" (SY)	1,184.0		372.0			812.0	
14	253*	Pavement Repair, 6" A.P.P.	4,778.0	1540.0			158.0		
15	254*	Pavement Planing, 1.5", A.P.P.(SY)	21,714.0						
16	254*	Pavement Planing, 3",A.P.P. (SY)	17,574.0						
17	254*	Pavement Planing, 4.5",A.P.P. (SY)	27,705.0						
18	254*	Pavement Planing, Variable Depth (1.5"-5"), (SY)	144.0						
19	301*	Asphalt Concrete Base (TN)	4,757.0						
20	304*	Aggregate Base (CY)	300.0						200.0
21	407*	NTSS-1HM TracklessTack Coat (GAL)	7,387.0						
22	411*	Stabilized Crushed Aggregate (CY)	50.0			50.0			
23	441*	(Bikepath) Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	1.5						
24	441*	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22 (TN)	1,846.0						
25	441*	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22 (TN)	5,759.0						
26	802	Valve Box - Adjust to Grade	2.0						2.0
27	Special	Asphalt Rejuvenating Agent (SY)	45,662.0						
28	Special	Seminol Speed Hump, 22Ft. (SF)	946.0						

15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2			SHEETS:	65-72	73-75	76-83	84-85	86-90	Gen . Notes I I/ III
REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRAND RD - PAVEMENT REPAIRS	GLICK RD - SURFACE PATCH	DUBLIN RD AT LIMERICK LANE	S HIGH ST	EARLINGTON PKWY - SURFACE PATCH	MISCELLANEOUS LOCATIONS / PROVISIONS
		Concrete and Concrete Structures							
29	608	4" Conc. Walk w/ Agg. Base, A.P.P. (SF)	3,522.0						
30	608	6" Conc. Walk w/ Agg. Base, A.P.P. (SF)	1,505.0						1300.0
31	608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.(SF)	862.0						
32	609	Combination Curb and Gutter, A.P.P. (LF)	27,067.0						500.0
33	609	Combination Curb and Gutter, Heavy Duty, A.P.P. (LF)	738.0						
34	618	Drain Leader Pipe (LF)	200.0						200.0
35	802	Water Service Box, Adjust to Grade	6.0						6.0
36	Special	Curb Can Holes (EA)	487.0						
37	Special	Detectable Warning Panel (SF)	224.0						
		Pavement Marking*							
38	644	24" Transverse, (LF)	320.0						
39	644	4" Edge Line (white), (mile)	2.85		0.05				
40	644	4" Edge Line (Yellow), (mile)	0.05						
41	644	4" Lane Line (white), (mile)	0.05						
42	644	Bullnose (EA)	1.00						
43	644	Center Line- Double-(Yellow, Solid or Dashed), (mile)	1.7		0.05			0.09	
44	644	Channelizing Line, 8" (LF)	316.0						
45	644	Crosswalk Line, 12" (LF)	1,803.0						
46	644	Lane Arrow, 72" (EA)	6.0						
47	644	School Symbol (EA)	2.0						
48	644	Stop Bar, 24" (LF)	286.0						
49	647	Chevron Speed Hump Marking (EA)	4.0						
50	647	Share the Road Symbol, (EA)	1.0						

REFERENCE NUMBER	ITEM	DESCRIPTION	ESTIMATED TOTAL QUANTITY	BRAND RD - PAVEMENT REPAIRS	GLICK RD - SURFACE PATCH	DUBLIN RD AT LIMERICK LANE	S HIGH ST	EARLINGTON PKWY - SURFACE PATCH	MISCELLANEOUS LOCATIONS / PROVISIONS
		15-001-CIP 2015 STREET MAINTENANCE PROGRAM, PART 2	**SHEETS:**	65-72	73-75	76-83	84-85	86-90	Gen . Notes I I/ III
		Storm Sewer and Structures							
51	604	Structure- Adjust Inlet , A.P.P. (EA)	33.0						
52	604	Structure- Reconstruct/Adjust CB/Inlet, A.P.P. (EA)	5.0						5.0
		Landscaping and Restoration							
53	653	Pulverized Topsoil, A.P.P. (CY)	1,392.0			70.0			140.0
54	659	Vegetation (Seed/Mulch), A.P.P., (SY)	4,390.0			865.0			400.0
55	671	Erosion Control Mat, Type G	865.0			865.0			
		Maintenance of Traffic / Miscellaneous Items							
56	623	Construction Layout Staking - (Dublin Road), (LS)	1.0			1.0			
57	624	Mobilization - Undercut/Base Repair (EA)	3.0						3.0
58	614	Flagger- [Dedicated Flagger] (HR)	638.0	64.0	9.0	32.0	6.0	12.0	60.0
59	614	LEO w/ Patrol Car (HR)	77.0	32.0			6.0		30.0
60	614	Maintaining Traffic, (Dublin Road), (LS)	1.0			1.0			
61	614*	Work Zone Striping, Arrow, Class 1, 642 Paint (EA)	4.0						
62	614*	Work Zone Striping, Channelizing Line, Class 1, 642 Paint (LF)	316.0						
63	614*	Work Zone Striping, Double Centerline, Class 1, 642 Paint (Mile)	1.6						
64	614*	Work Zone Striping, Edge Line, Class 1, 642 Paint (Mile)	2.8						
65	614*	Work Zone Striping, Stop Bar, Class 1, 642 Paint (EA)	28.0						

ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT



N

0 25 50
SCALE IN FEET

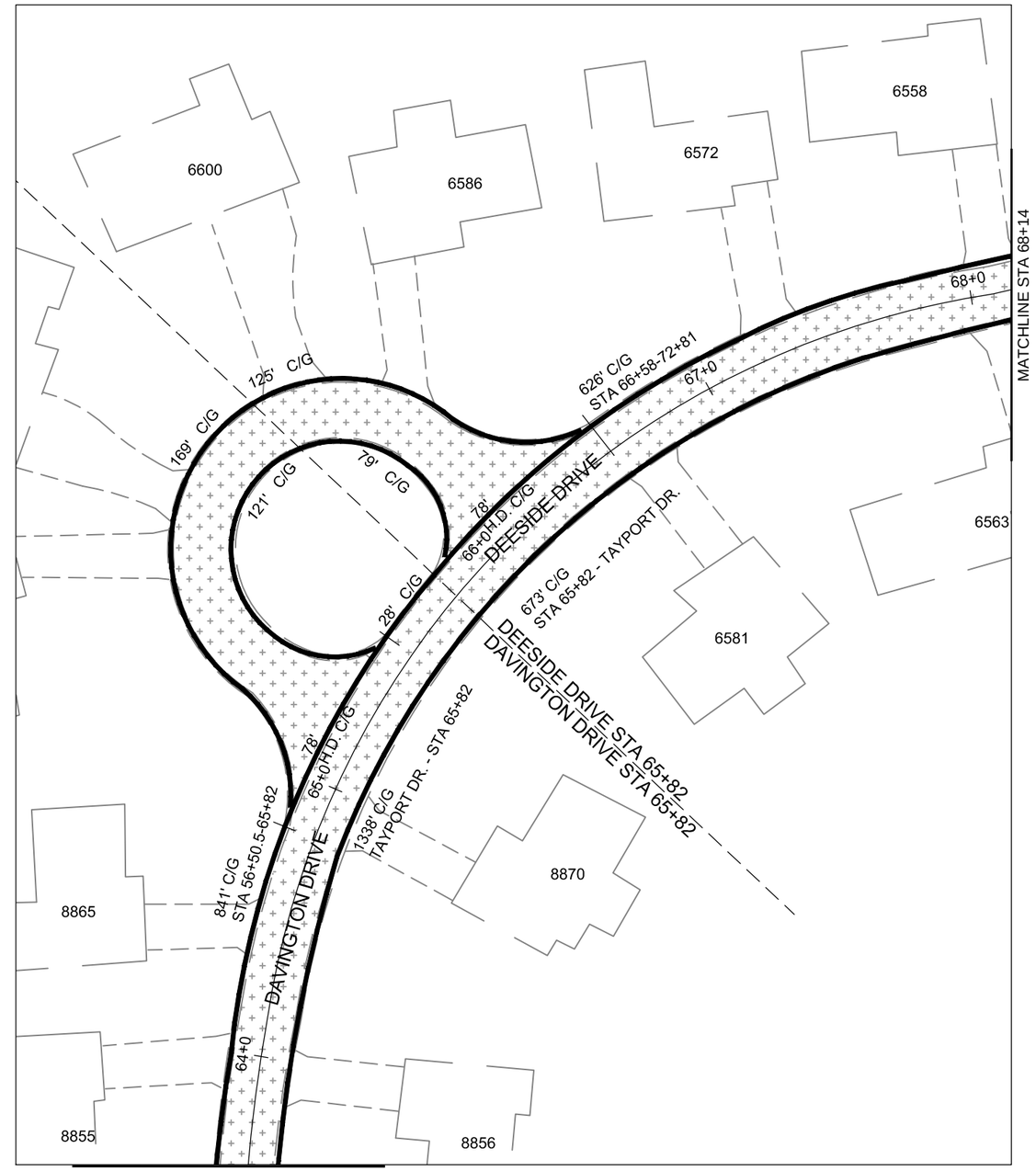
DRAWN BY: DAL
REVISED NONE

DAVINGTON DRIVE / TAYPORT DRIVE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT



SCALE IN FEET 0 25 50

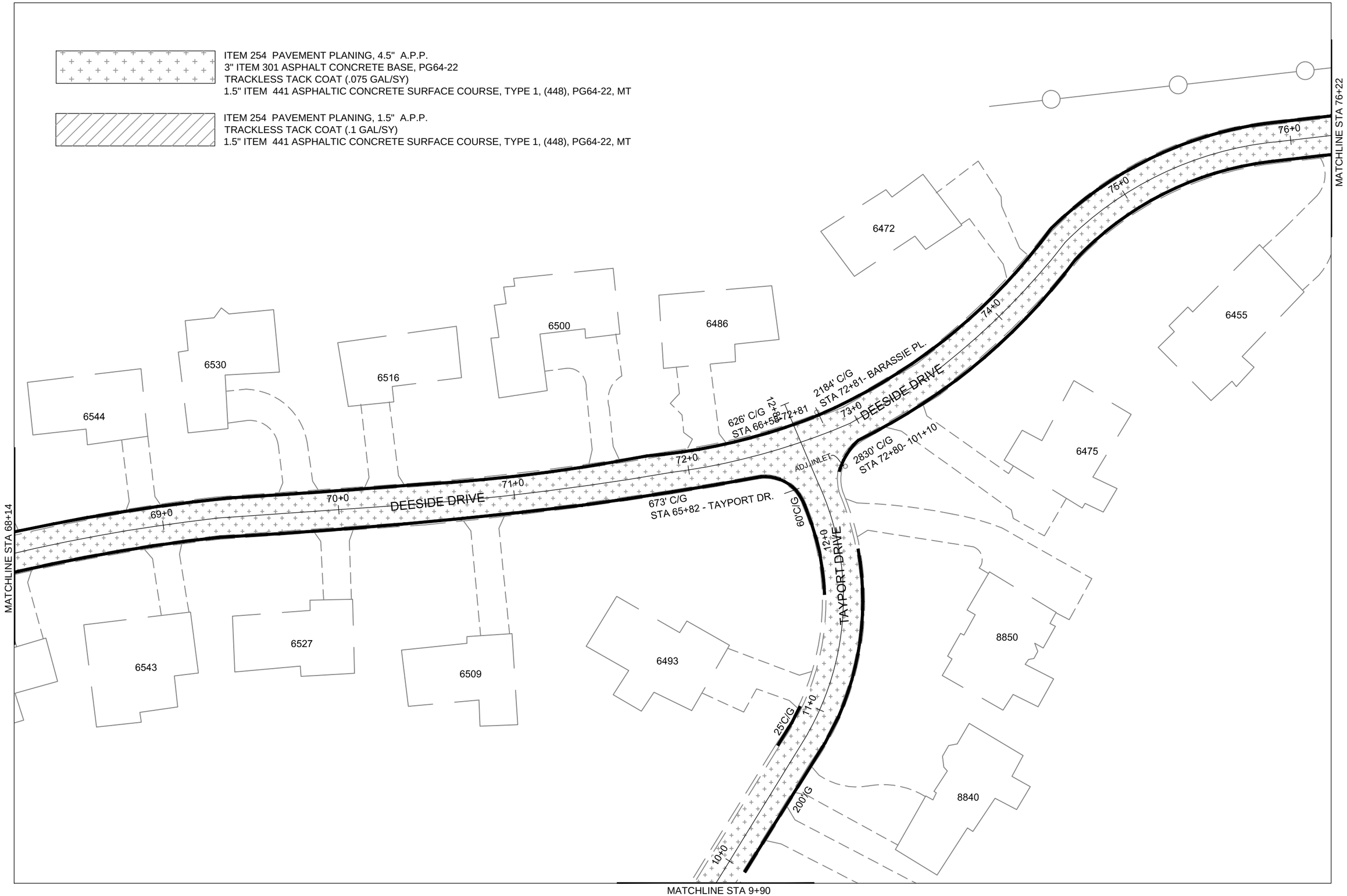
DRAWN BY: DAL
REVISED NONE

DAVINGTON DRIVE - DEESIDE DRIVE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT



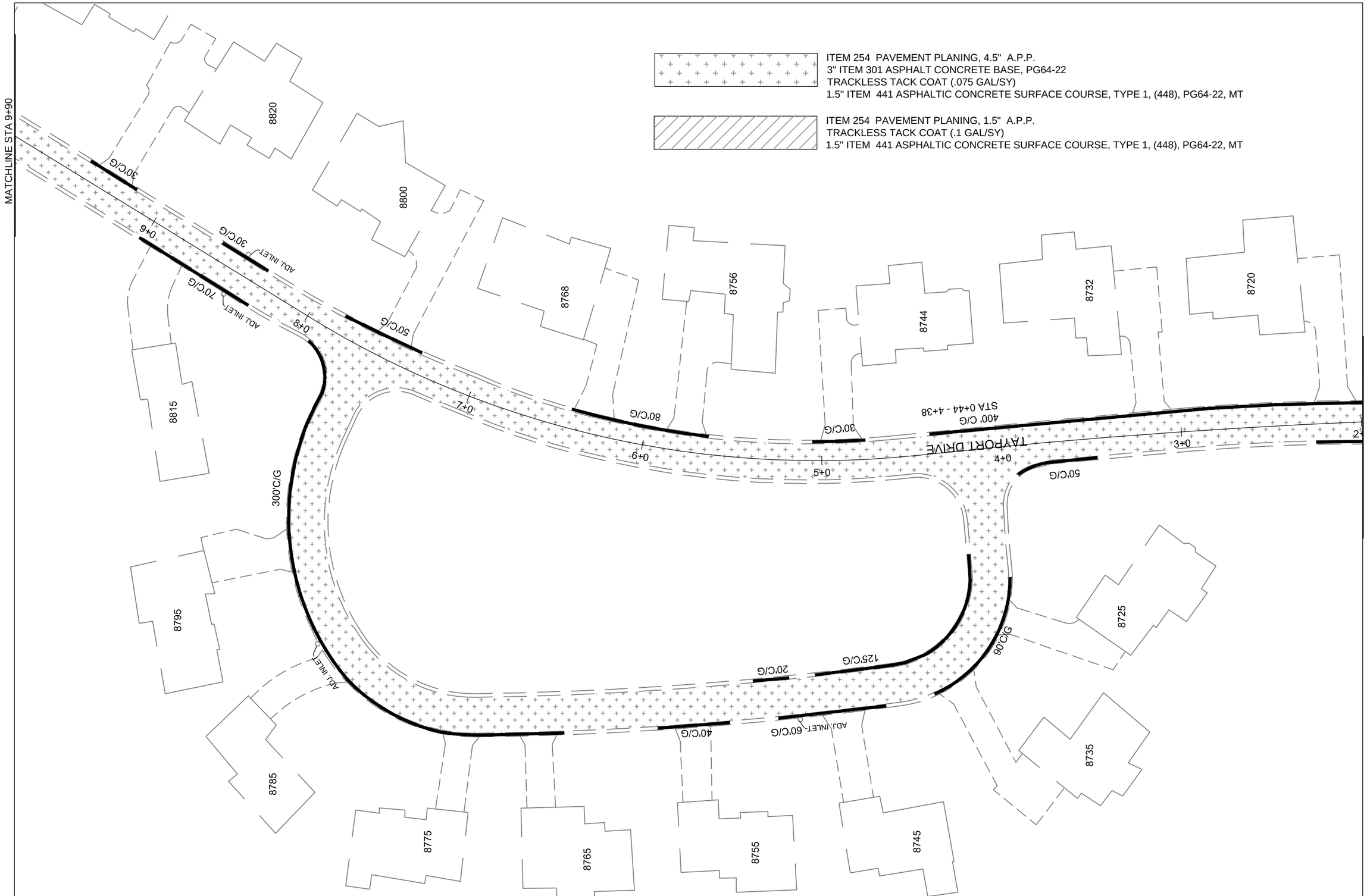
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE / TAYPORT DRIVE
ROADWAY

15-001-CIP



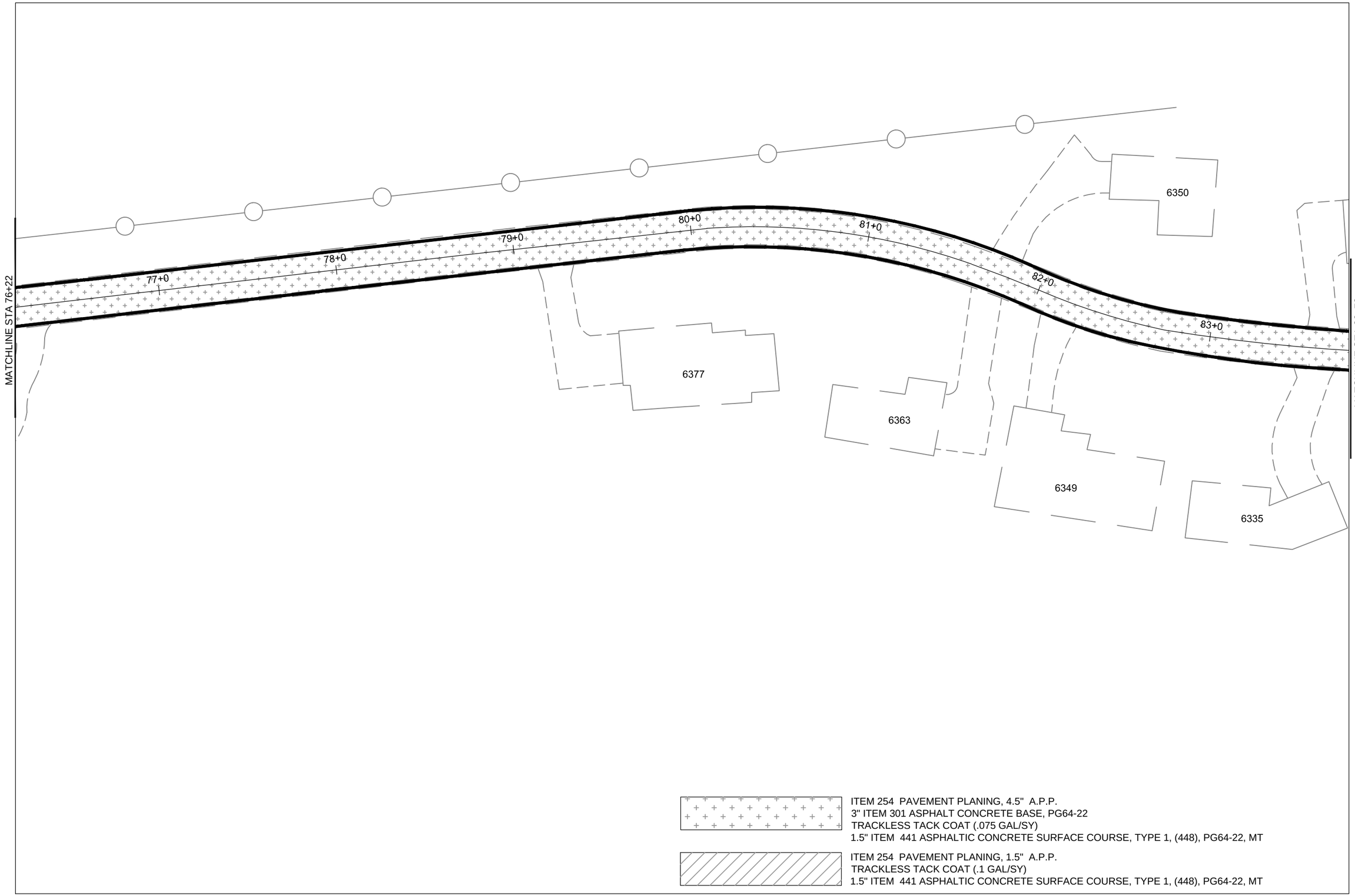
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

TAYPORT DRIVE
ROADWAY

15-001-CIP



N

0 25 50
SCALE IN FEET

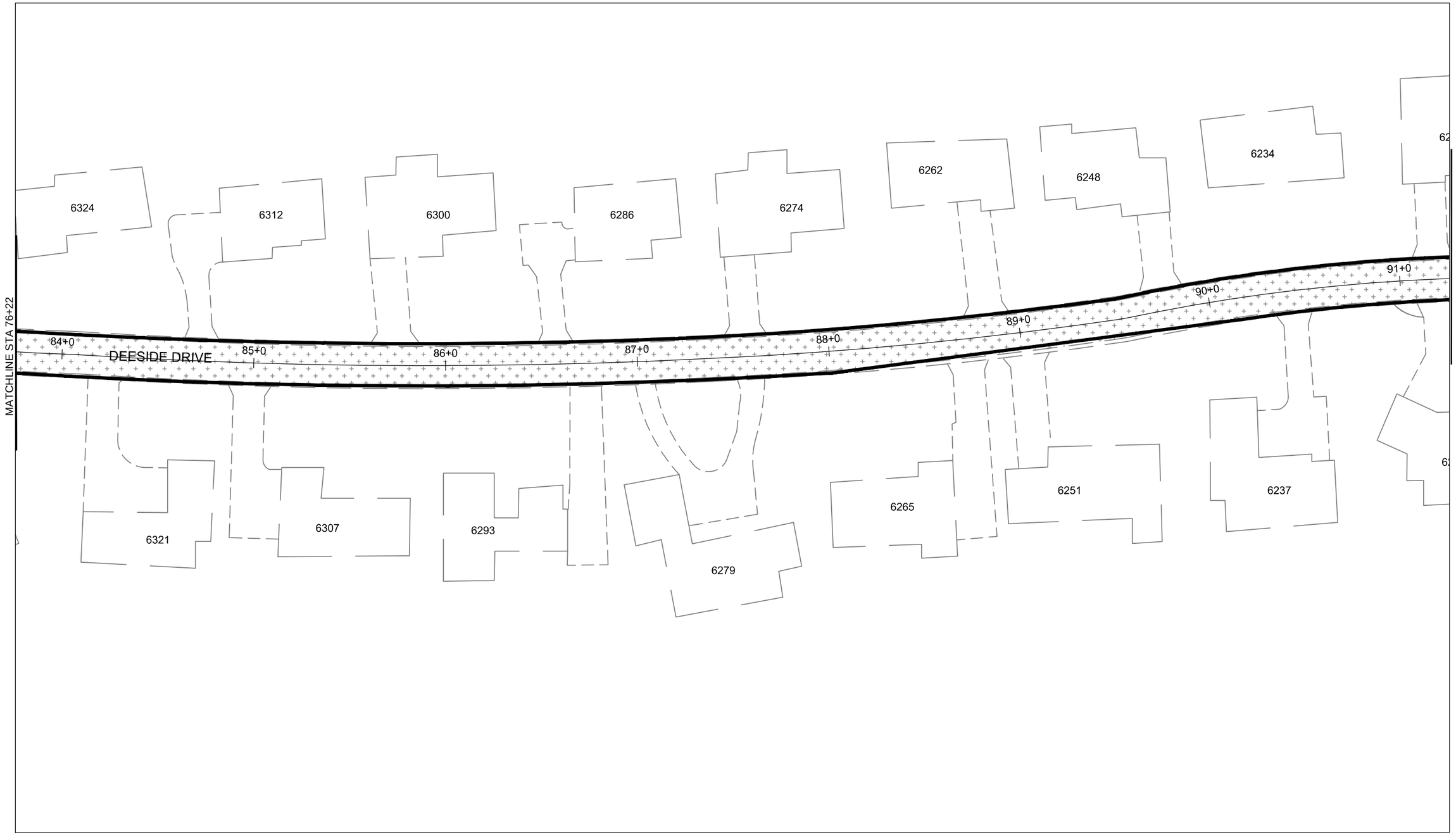
DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT



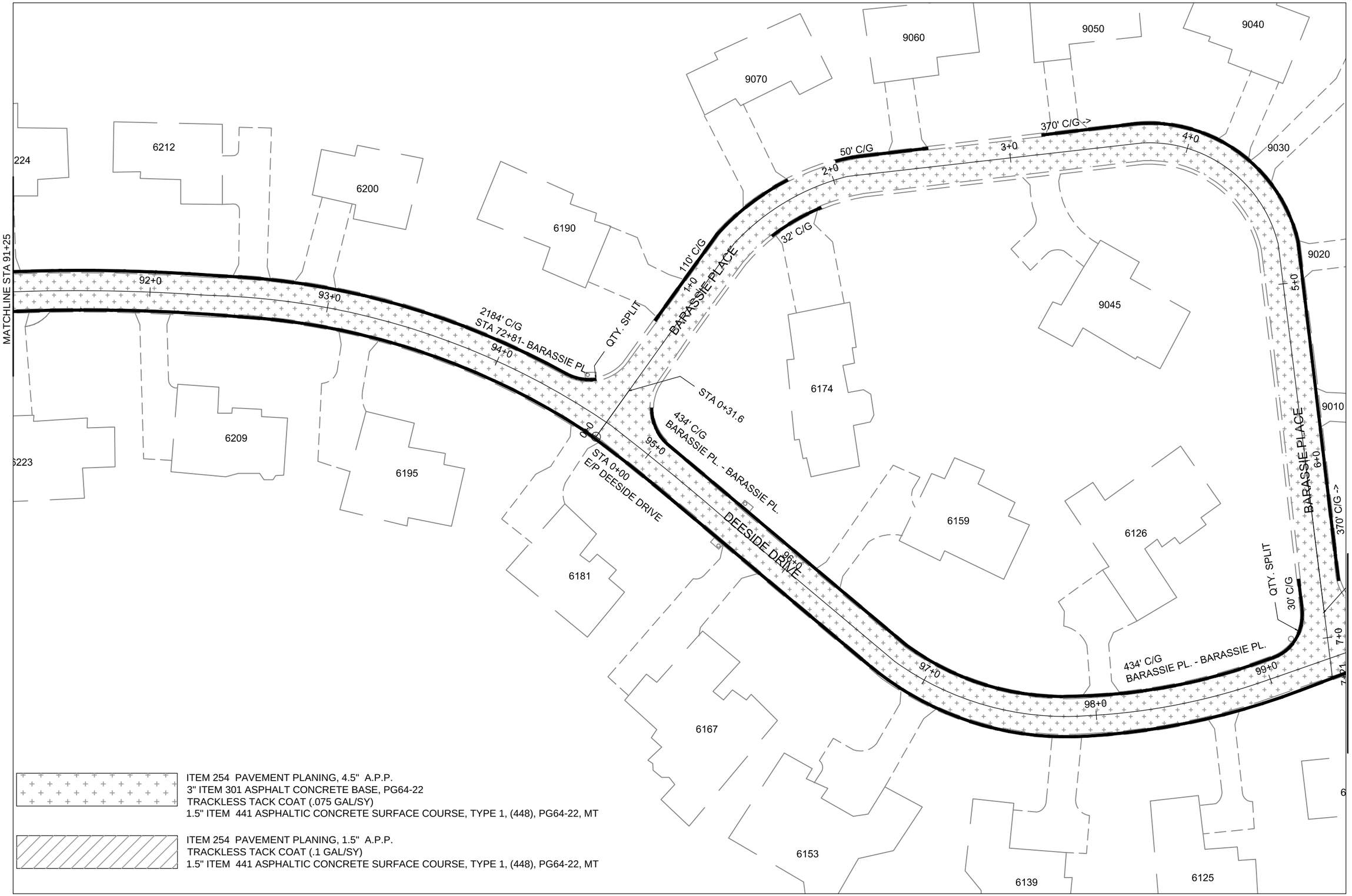
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE
ROADWAY

15-001-CIP



ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

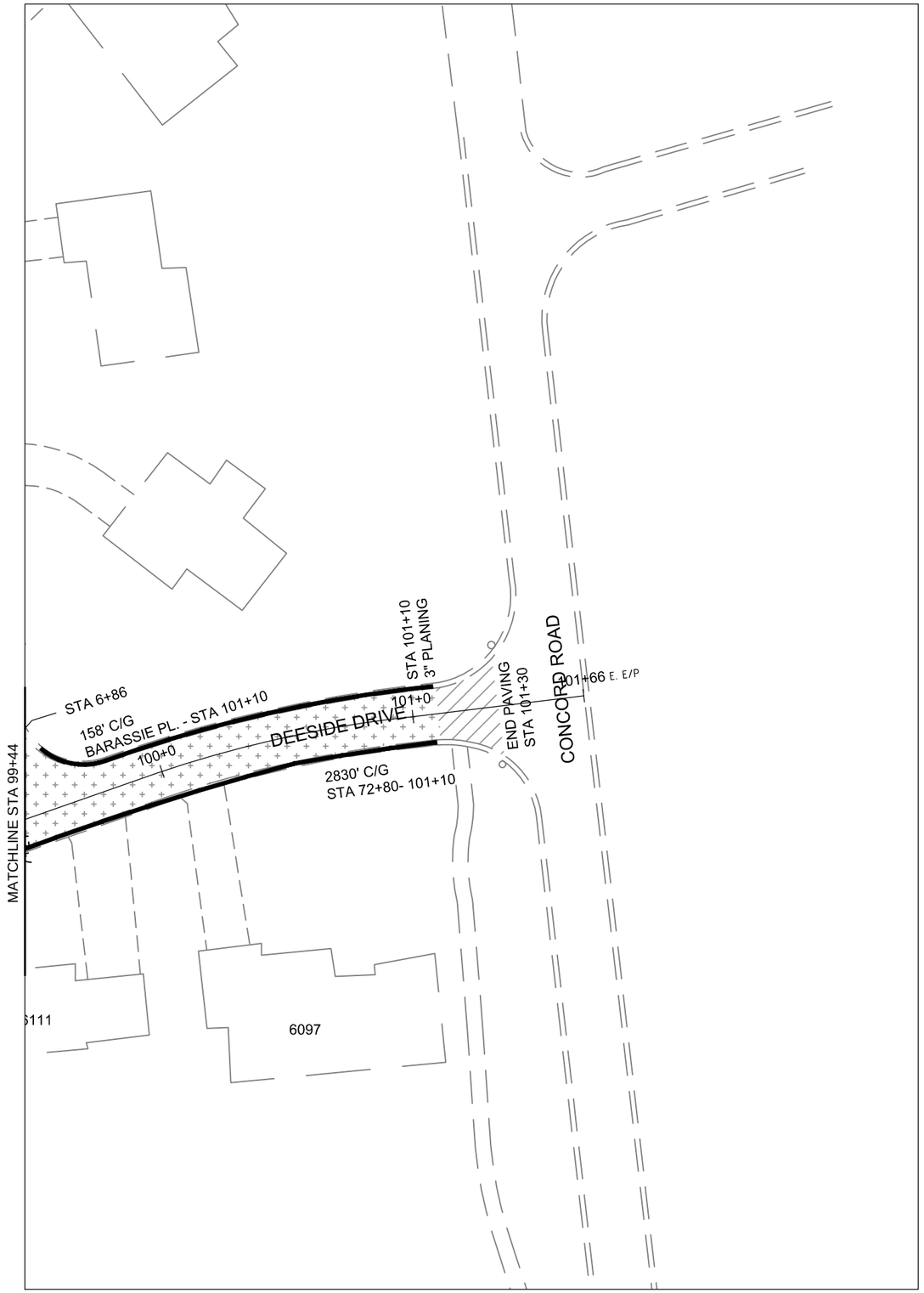
N

SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE / BARASSIE PLACE
ROADWAY

15-001-CIP



ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE
ROADWAY

15-001-CIP

N

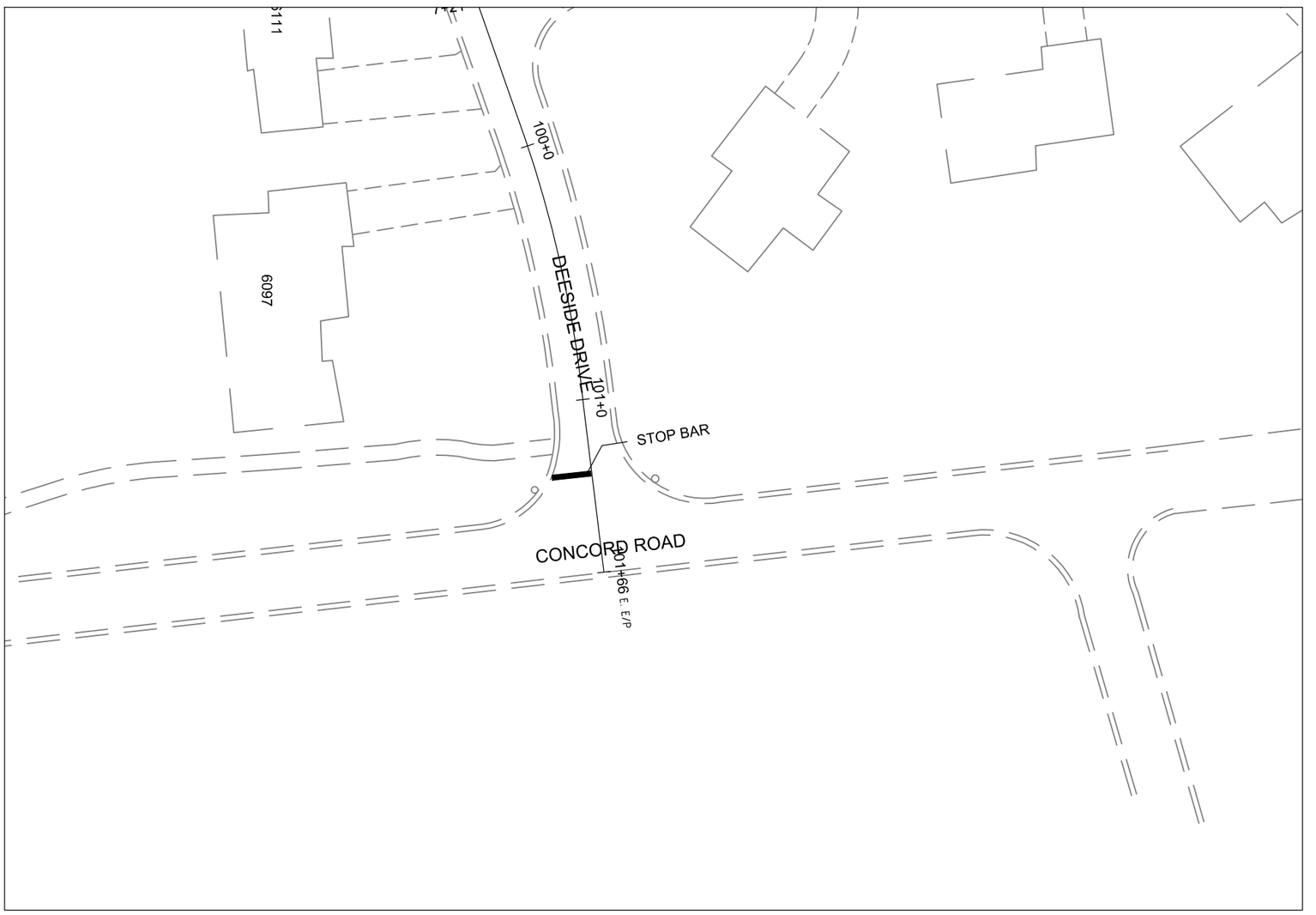
0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

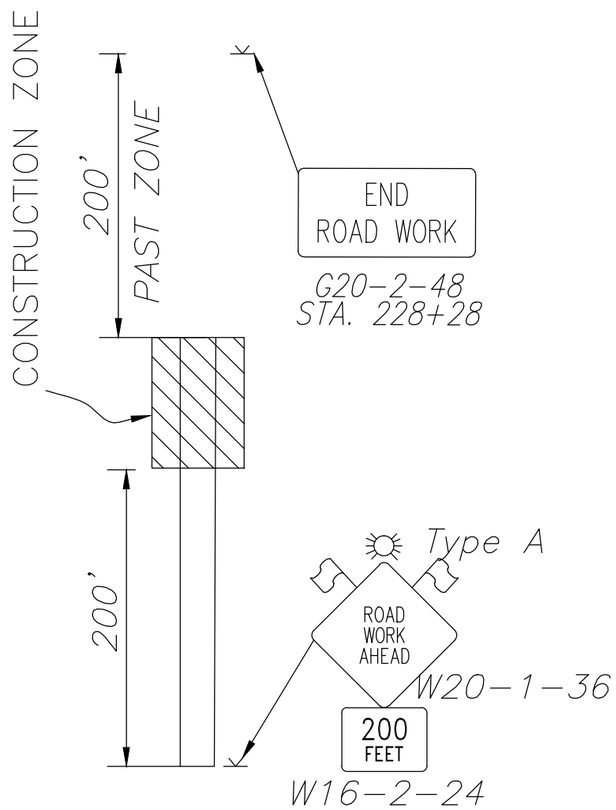
DAVINGTON DRIVE - DEESIDE DRIVE
TRAFFIC AND STRIPING

15-001-CIP

MATCHLINE STA 99+44



10	10 / 13	**15-001-CIP**	DAVINGTON DRIVE - DEESIDE DRIVE TRAFFIC AND STRIPING	DRAWN BY: DAL REVISED NONE	0 25 50 SCALE IN FEET



ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

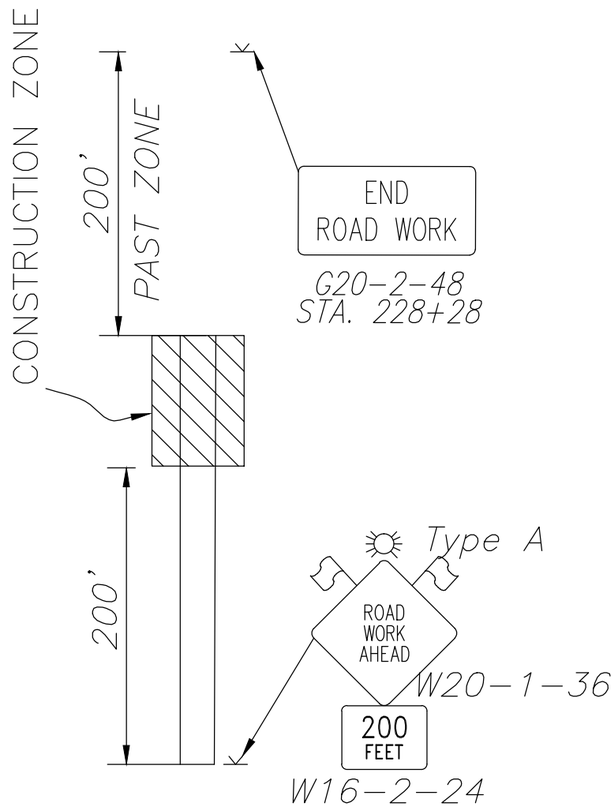
	DAVINGTON DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Bike Path Removed and Disposed of, A.P.P.	SY	9
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	3963
254	Pavement Planing, 1.5", A.P.P.	SY	137
254	Pavement Planing, 4.5",A.P.P.	SY	4420
407	NTSS-1HM TracklessTack Coat	GAL	340
301	Asphalt Concrete Base	TN	740
441	(Bikepath) Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	1.5
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	380
604	Structure- Adjust, Inlet, A.P.P.	EA	3
609	Combination Curb/Gutter, A.P.P.	LF	3765
609	Combination Curb/Gutter, Heavy Duty, A.P.P.	LF	198
614	Flagger - [Dedicated Flagger]	HR	64
644	Crosswalk Line, 12"	LF	88
644	Stop Bar, 24"	LF	13
653	Pulverized Topsoil, A.P.P.	CY	140
Special	Curb Can Holes	EA	68
Special	Asphalt Rejuvenating Agent	SY	4557

	TAYPORT DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	1840
254	Pavement Planing, 4.5",A.P.P.	SY	4064
407	NTSS-1HM TracklessTack Coat	GAL	305
301	Asphalt Concrete Base	TN	675
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	340
604	Structure- Adjust, Inlet, A.P.P.	EA	
609	Combination Curb/Gutter, A.P.P.	LF	1840
614	Flagger - [Dedicated Flagger]	HR	48
644	Stop Bar, 24"	LF	22
653	Pulverized Topsoil, A.P.P.	CY	75
Special	Curb Can Holes	EA	32
Special	Asphalt Rejuvenating Agent	SY	4064

DRAWN BY: DAL
REVISED NONE

DAVINGTON DRIVE / TAYPORT DRIVE
ESTIMATED QUANTITIES / CONSTRUCTION NOTES

15-001-CIP



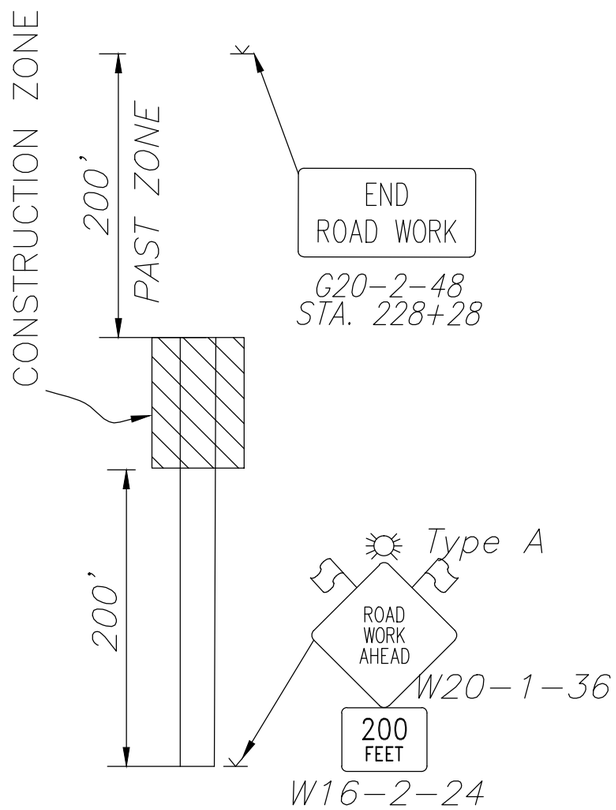
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	DEESIDE DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	7108
254	Pavement Planing, 1.5", A.P.P.	SY	66
254	Pavement Planing, 4.5",A.P.P.	SY	8269
301	Asphalt Concrete Base	TN	1385
407	NTSS-1HM TracklessTack Coat	GAL	630
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	700
604	Structure- Adjust, Inlet, A.P.P.	EA	3
609	Combination Curb/Gutter, A.P.P.	LF	7030
609	Combination Curb/Gutter, Heavy Duty, A.P.P.	LF	78
614	Flagger - [Dedicated Flagger]	HR	72
644	Stop Bar, 24"	LF	15
653	Pulverized Topsoil, A.P.P.	CY	240
Special	Curb Can Holes	EA	116
Special	Asphalt Rejuvenating Agent	SY	8335

DRAWN BY: DAL
REVISED NONE

DEESIDE DRIVE
ESTIMATED QUANTITIES / CONSTRUCTION NOTES

15-001-CIP



ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	BARASSIE PLACE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	600
254	Pavement Planing, 4.5", A.P.P.	SY	1462
301	Asphalt Concrete Base	TN	247
407	NTSS-1HM TracklessTack Coat	GAL	110
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	126
604	Structure- Adjust, Inlet, A.P.P.	EA	1
609	Combination Curb/Gutter, A.P.P.	LF	600
653	Pulverized Topsoil, A.P.P.	CY	20
Special	Curb Can Holes	EA	12
Special	Asphalt Rejuvenating Agent	SY	1462

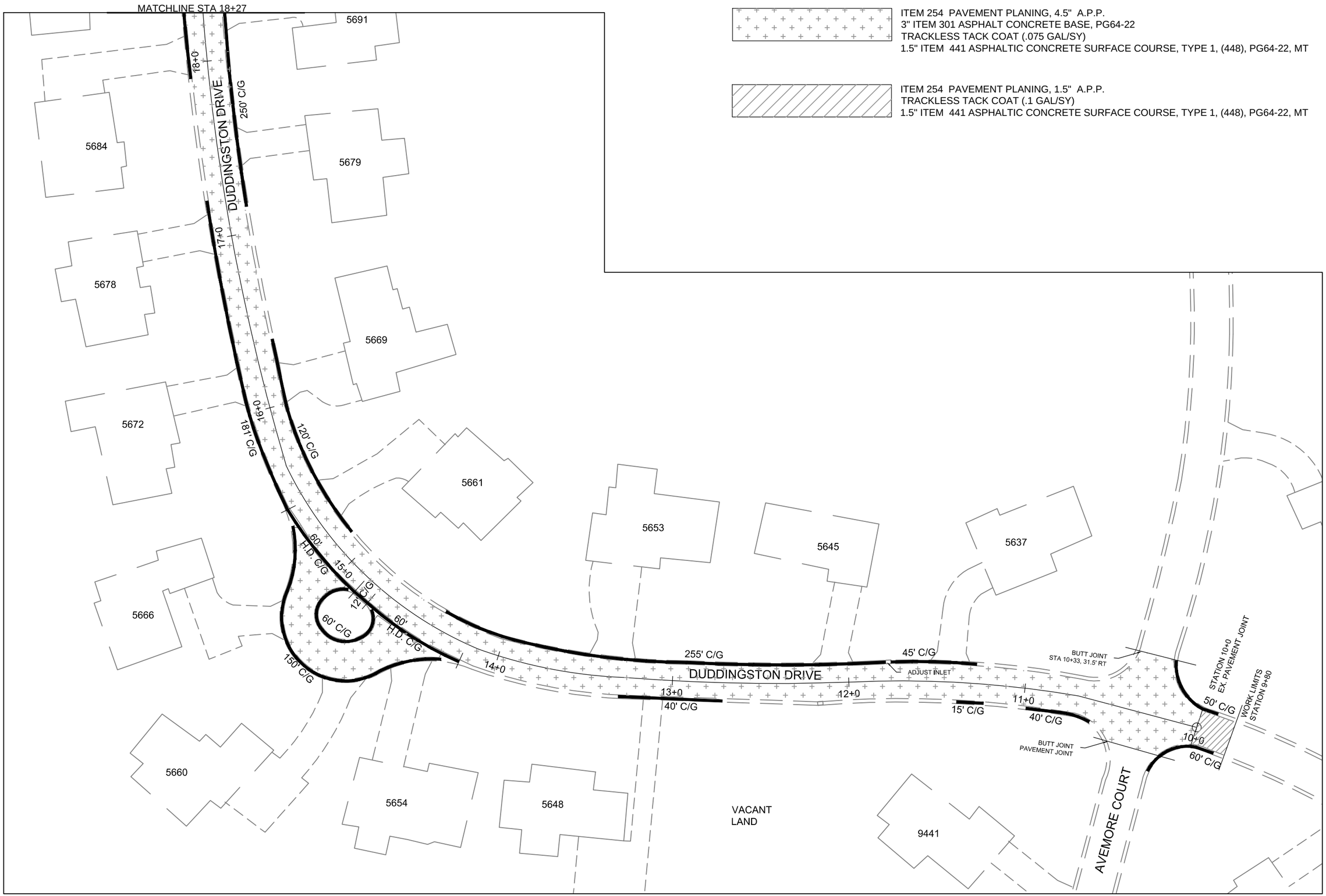
DRAWN BY: DAL
REVISED NONE

BARASSIE PLACE
ESTIMATED QUANTITIES / CONSTRUCTION NOTES

15-001-CIP

ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT



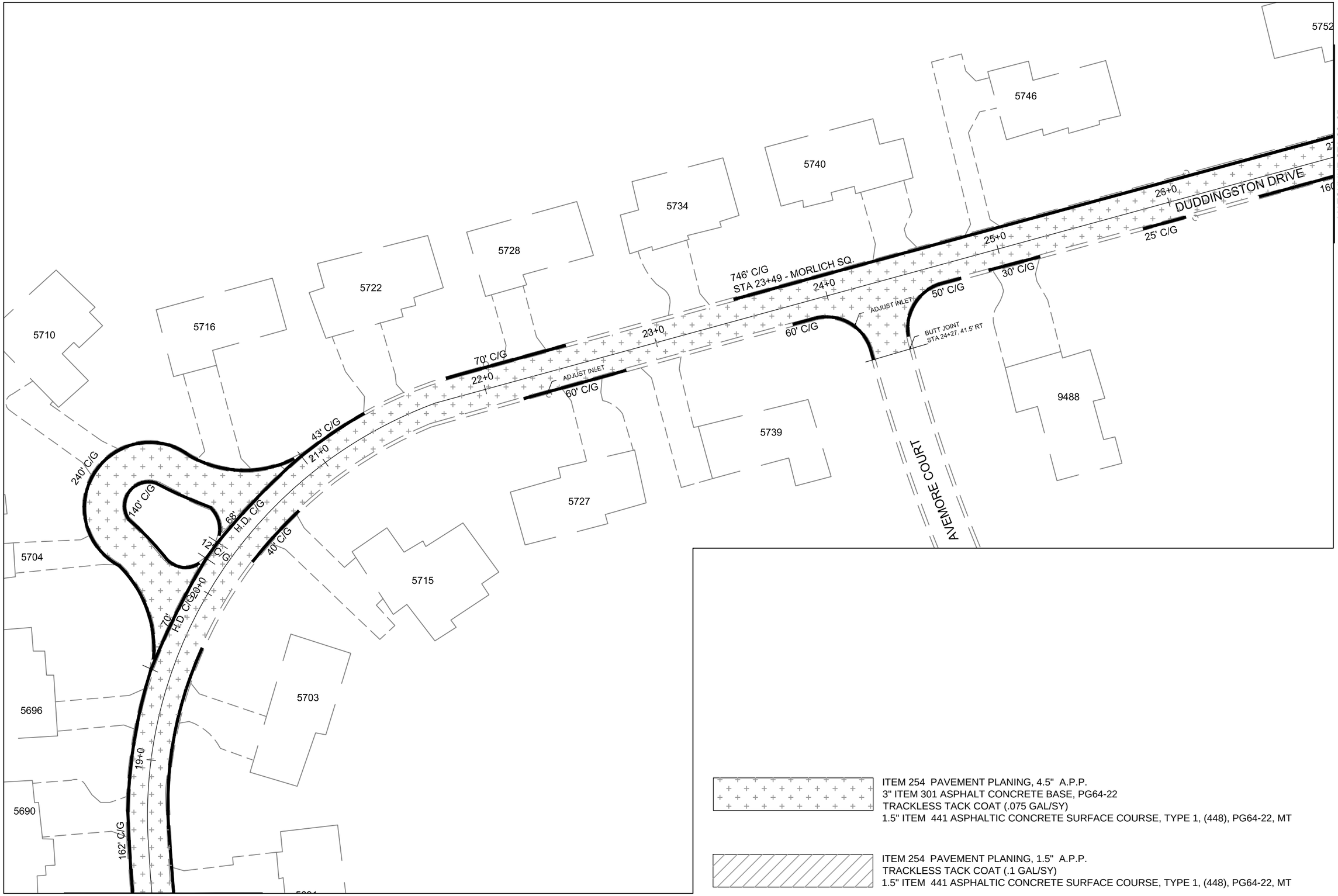
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

DUDDINGSTON DRIVE
ROADWAY

15-001-CIP



ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

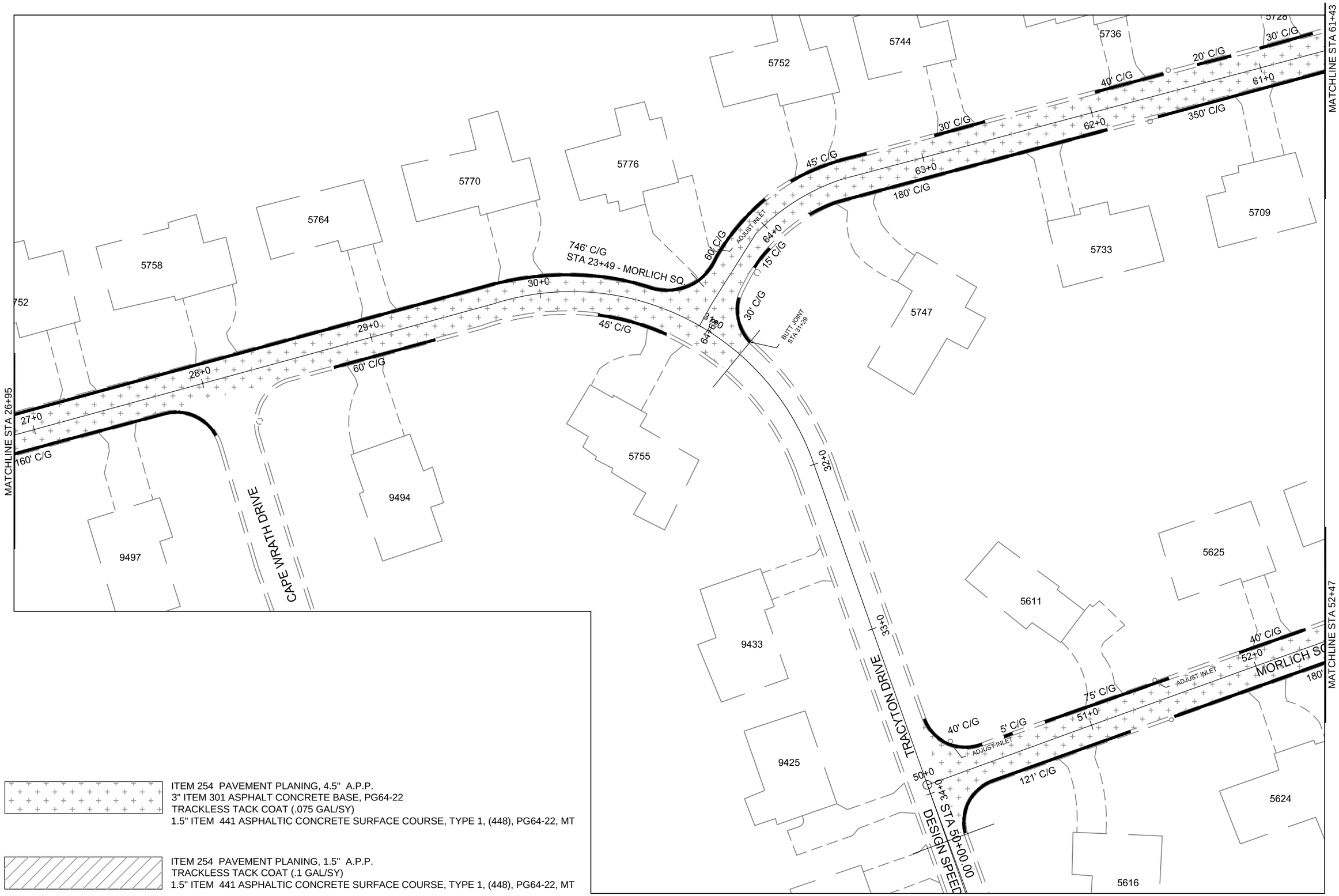
N

SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

DUDDINGSTON DRIVE
ROADWAY

15-001-CIP



ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

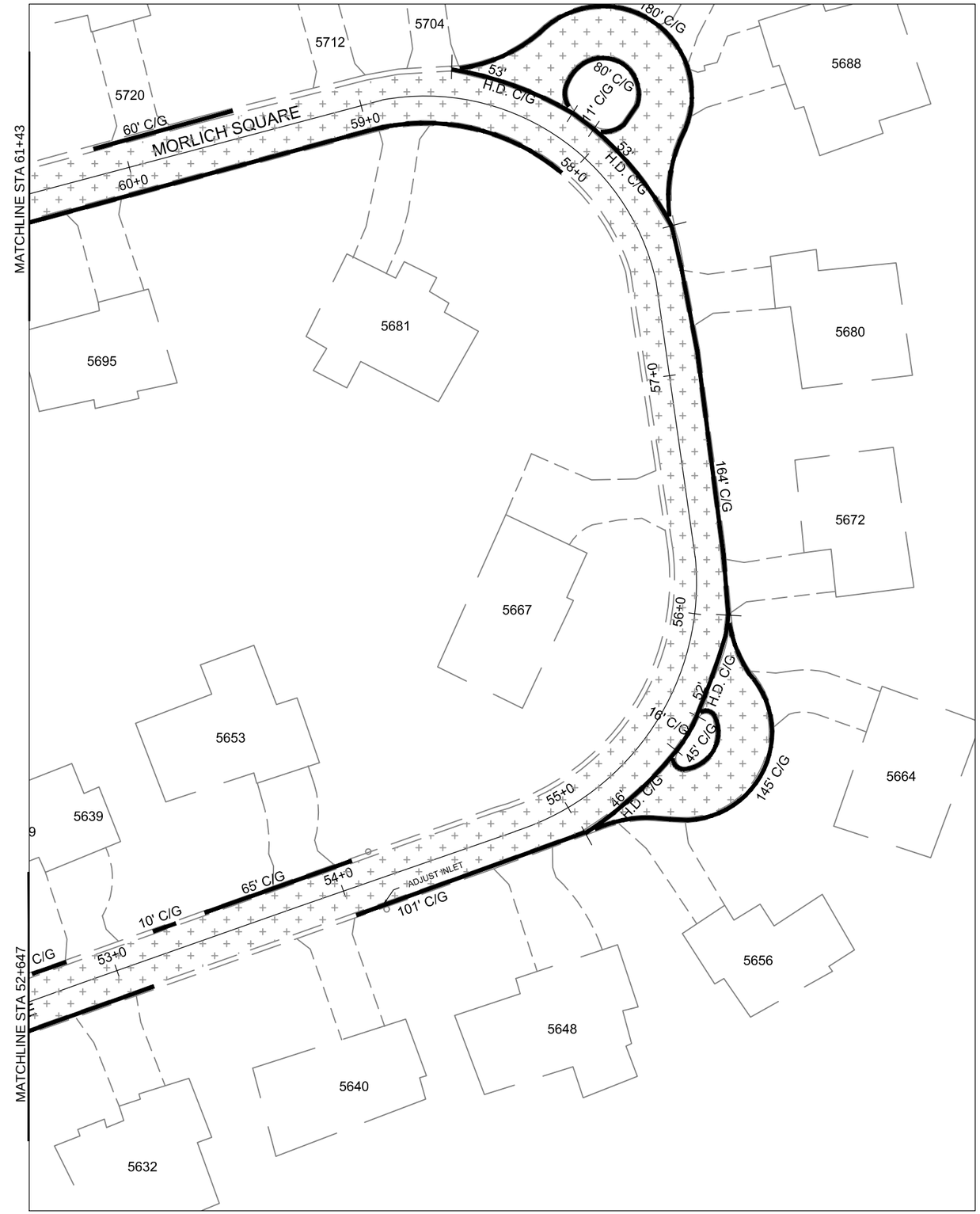
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

DUDDINGSTON DRIVE, MORLICH SQUARE
ROADWAY

15-001-CIP



ITEM 254 PAVEMENT PLANING, 4.5" A.P.P.
3" ITEM 301 ASPHALT CONCRETE BASE, PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

ITEM 254 PAVEMENT PLANING, 1.5" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, MT

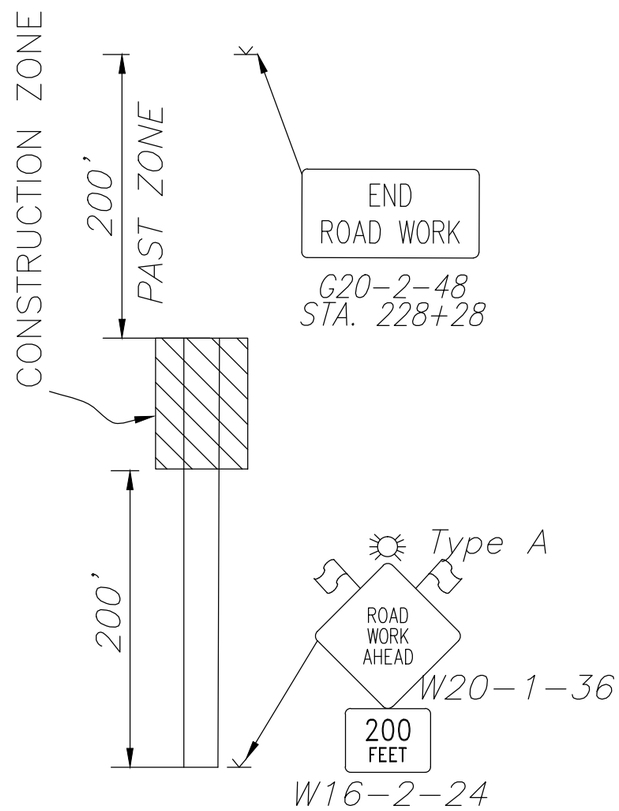
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

MORLICH SQUARE
ROADWAY

15-001-CIP



ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

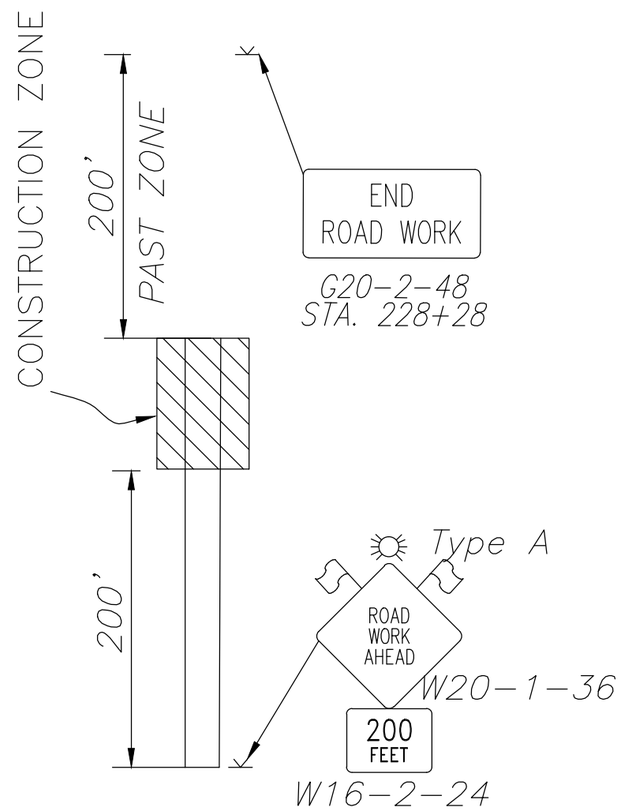
	DUDDINGSTON DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	3479
254	Pavement Planing, 1.5", A.P.P.	SY	45
254	Pavement Planing, 4.5",A.P.P.	SY	5730
407	NTSS-1HM TracklessTack Coat	GAL	435
301	Asphalt Concrete Base	TN	960
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	482
604	Structure- Adjust, Inlet, A.P.P.	EA	3
609	Combination Curb/Gutter, A.P.P.	LF	3221
609	Combination Curb/Gutter, Heavy Duty, A.P.P.	LF	258
614	Flagger - [Dedicated Flagger]	HR	72
653	Pulverized Topsoil, A.P.P.	CY	130
Special	Curb Can Holes	EA	59
Special	Asphalt Rejuvenating Agent	SY	5730

N

DRAWN BY: DAL
REVISED NONE

DUDDINGSTON DRIVE
ESTIMATED QUANTITES / CONSTRUCTION NOTES

15-001-CIP



ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	MORLICH SQUARE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	2204
254	Pavement Planing, 4.5",A.P.P.	SY	3760
407	NTSS-1HM TracklessTack Coat	GAL	300
301	Asphalt Concrete Base	TN	660
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	330
604	Structure- Adjust, Inlet, A.P.P.	EA	3
609	Combination Curb/Gutter, A.P.P.	LF	2000
609	Combination Curb/Gutter, Heavy Duty, A.P.P.	LF	204
614	Flagger - [Dedicated Flagger]	HR	50
653	Pulverized Topsoil, A.P.P.	CY	80
Special	Curb Can Holes	EA	47
Special	Asphalt Rejuvenating Agent	SY	3760

N

DRAWN BY: DAL
REVISED NONE

MORLICH SQUARE
ESTIMATED QUANTITES / CONSTRUCTION NOTES

15-001-CIP

SHEET REFERENCE:
ROADWAY AND CURB AND GUTTER REPAIRS

STREET	SHEET NUMBERS
FAWNBROOK LANE	2,3,4
FAWNBROOK COURT	5
BRISTOL DRIVE	6
CRAWLEY DRIVE	6
HEATHERWOOD LANE	7,8,9,10
HEATHERWOOD COURT	8
RUSHWOOD DRIVE	11

CURB RAMP DETAILS

STREET	SHEET NUMBERS
FAWNBROOK LN.AT FORREST KNOLL DR.	12
RUSHWOOD DR.AT FAWNBROOK LN.	12
HEATHERWOOD LN.AT FAWNBROOK LN.	13
FAWNBROOK CT. AT FAWNBROOK LN.	13
BRISTOL DRIVE AT FAWNBROOK LN.	14
BRISTOL DRIVE AT CRAWLEY DR.	14
HEATHERWOOD LN. AT CRAWLEY DR.	15
HEATHERWOOD CT AT HEATHERWOOD LN.	15
FAWNBROOK LN. AT HEATHERWOOD LN.	16

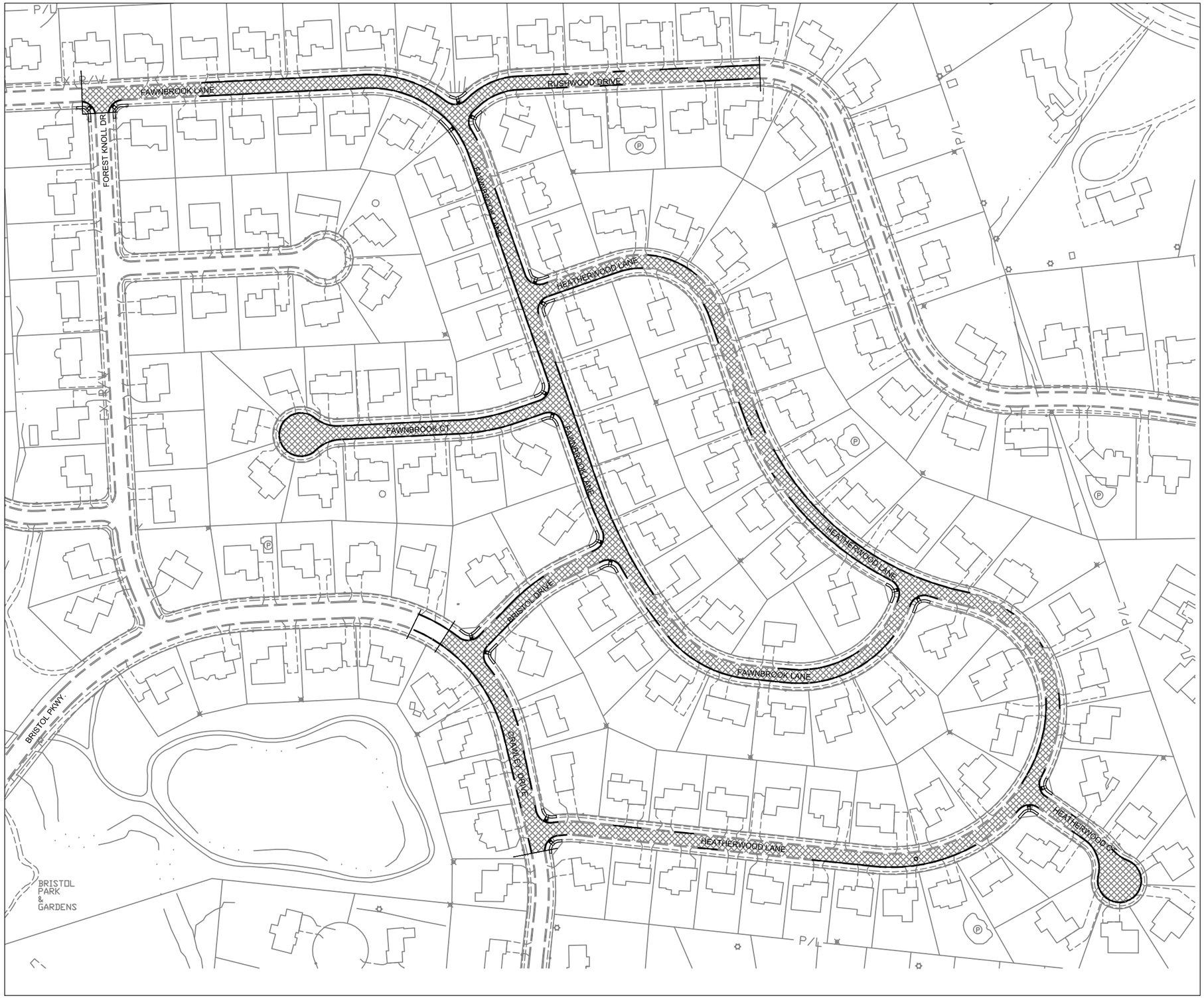
STRIPING DETAILS

STREET	SHEET NUMBERS
FAWNBROOK LN.AT FORREST KNOLL DR.	17
RUSHWOOD DR.AT FAWNBROOK LN.	17
HEATHERWOOD LN.AT FAWNBROOK LN.	18
FAWNBROOK CT. AT FAWNBROOK LN.	18
BRISTOL DRIVE AT FAWNBROOK LN.	19
BRISTOL DRIVE AT CRAWLEY DR.	19
HEATHERWOOD LN. AT CRAWLEYDR.	20
HEATHERWOOD CT AT HEATHERWOOD LN.	20
FAWNBROOK LN. AT HEATHERWOOD LN.	21

ESTIMATED QUANTINTES

STREET	SHEET NUMBERS
FAWNBROOK LANE	22
FAWNBROOK COURT	23
BRISTOL DRIVE	24
CRAWLEY DRIVE	25
HEATHERWOOD LANE	26
HEATHERWOOD COURT	27
RUSHWOOD DRIVE	28

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



N

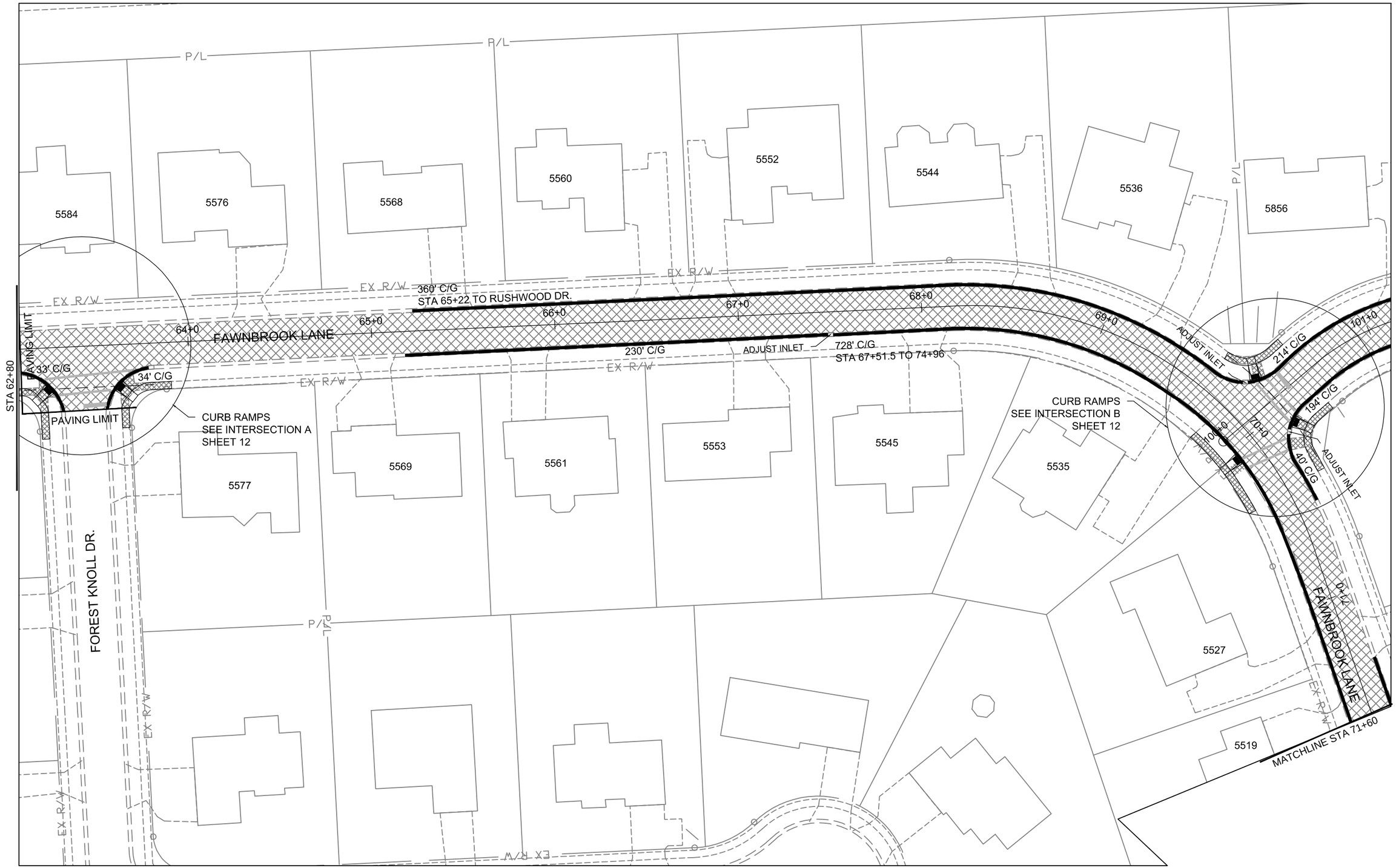
NONE

DRAWN BY: DAL
REVISED NONE

BRISTOL COMMONS
OVERALL MAP

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



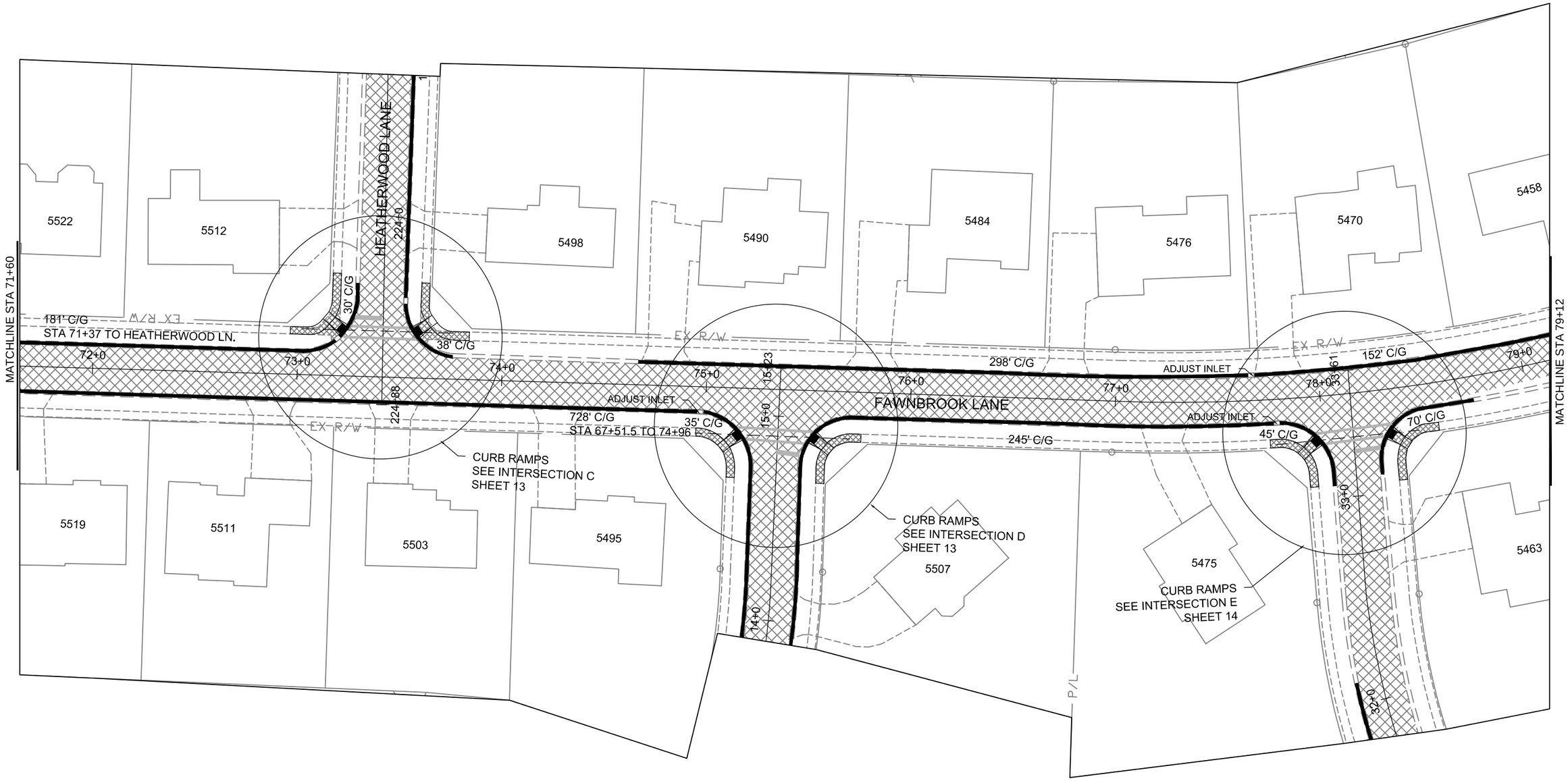
SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

FAWNBROOK LANE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



DRAWN BY: DAL
REVISED NONE

FAWNBROOK LANE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

FAWNBROOK LANE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

N

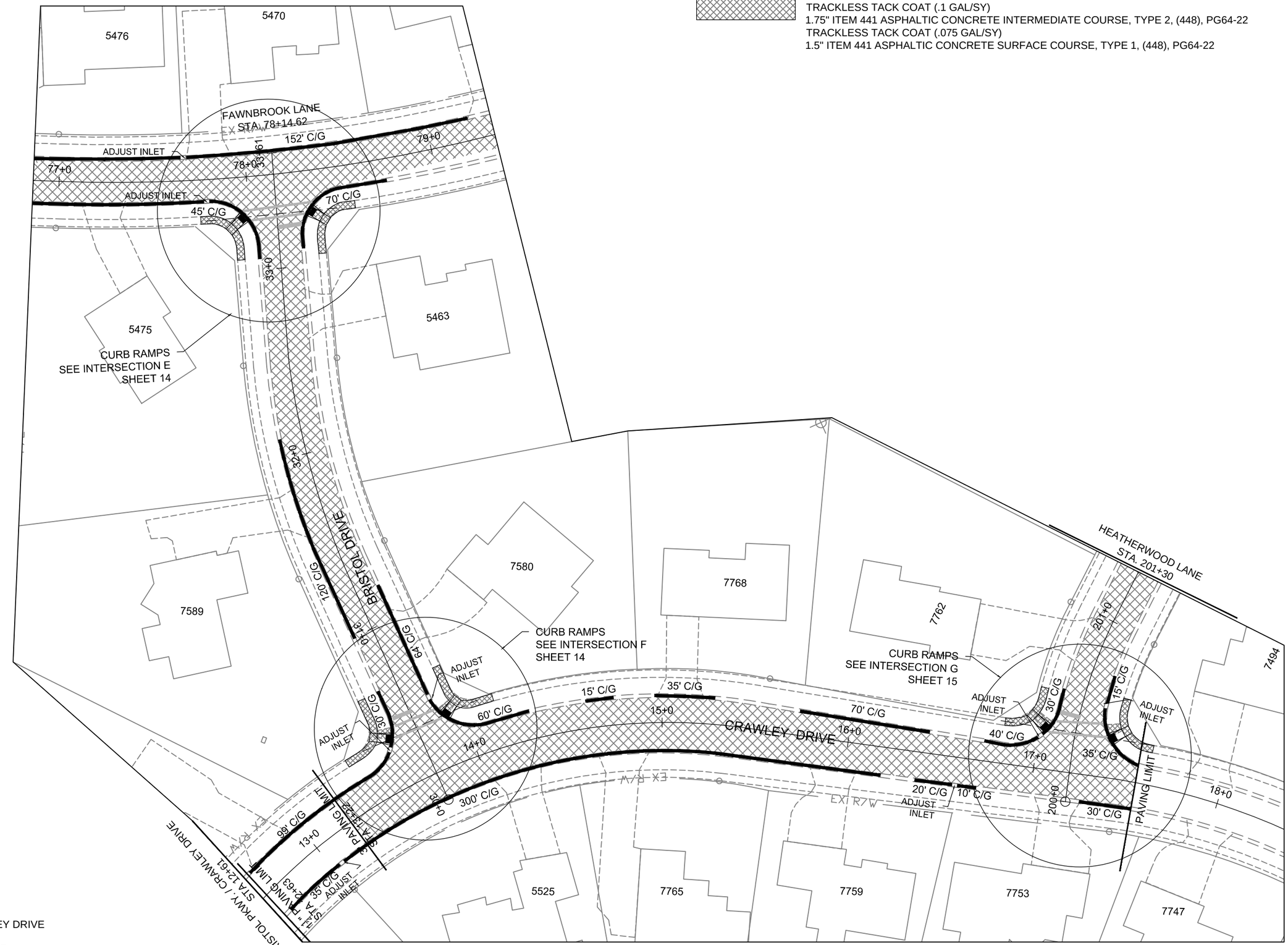
0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

FAWNBROOK CT
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



BRISTOL PKWY. / CRAWLEY DRIVE
STA 0+00
BRAND ROAD S. E/P

SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

BRISTOL DRIVE / CRAWLEY DRIVE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

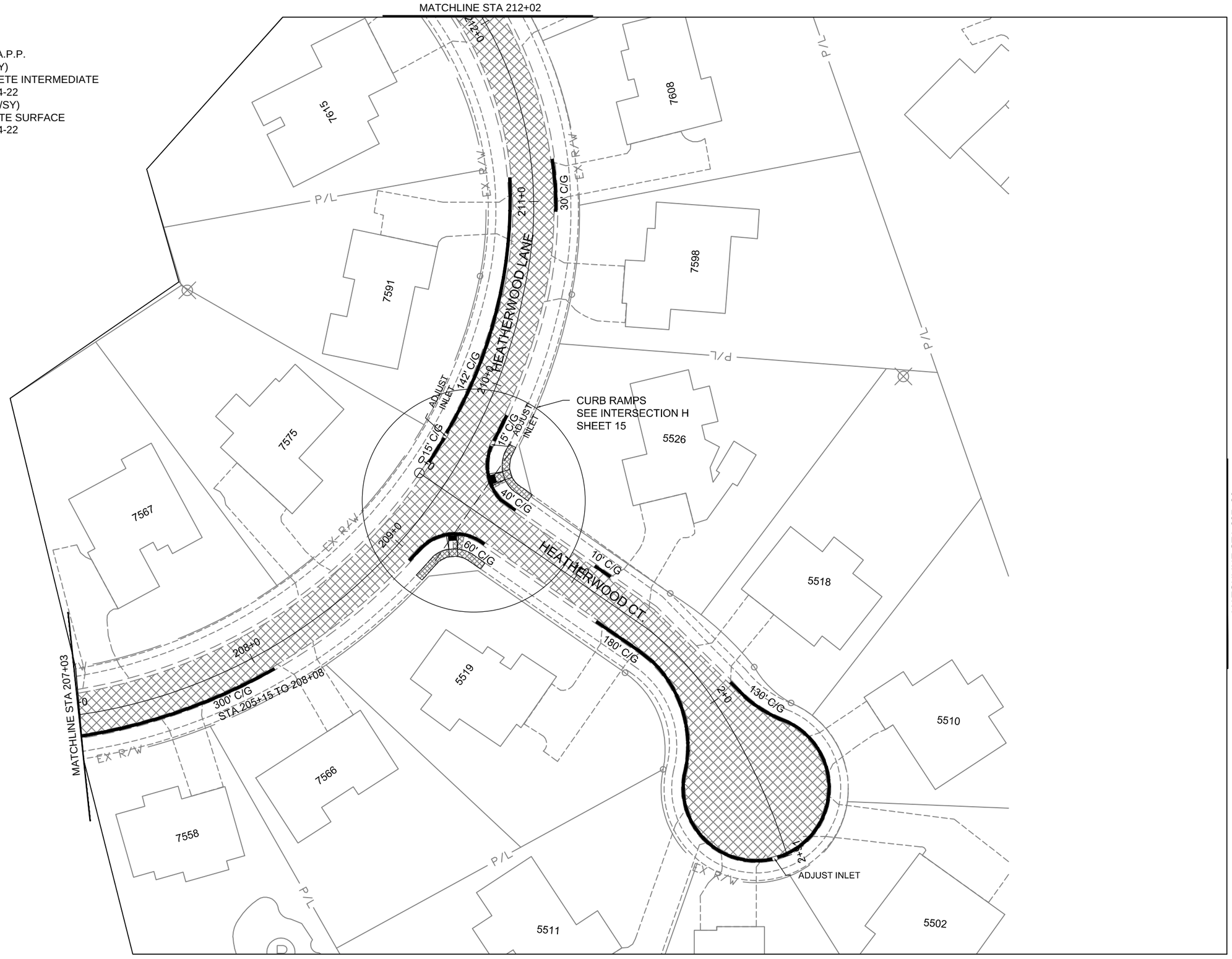
SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

HEATHERWOOD LANE
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



N

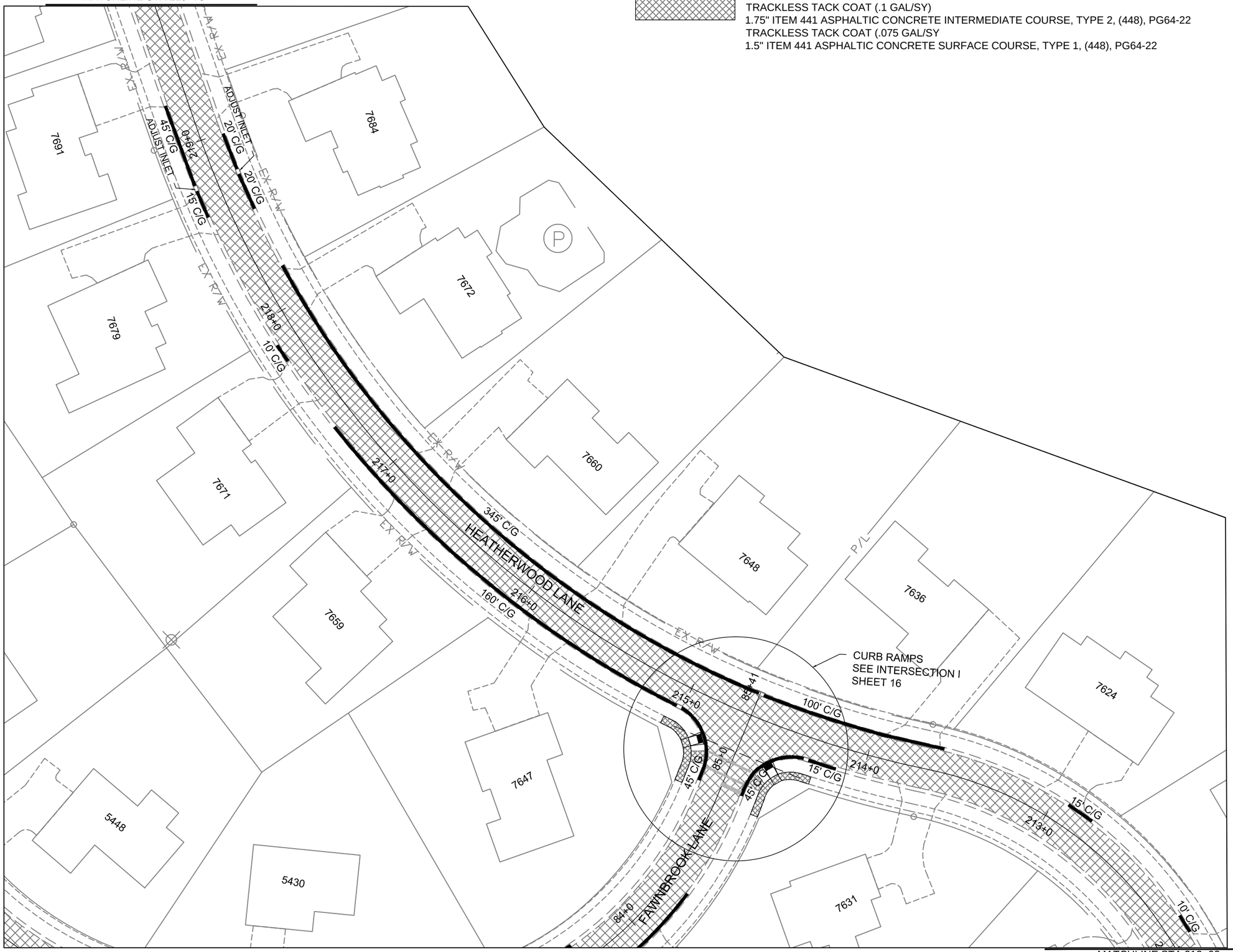
0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

HEATHERWOOD LANE / HEATHERWOOD COURT
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22



SCALE IN FEET 0 25 50

DRAWN BY: DAL
REVISED NONE

HEATHERWOOD LANE / HEATHERWOOD COURT
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

DRAWN BY: DAL
REVISED NONE

HEATHERWOOD LANE / HEATHERWOOD COURT
ROADWAY

15-001-CIP

ITEM 254 PAVEMENT PLANING, 3" A.P.P.
TRACKLESS TACK COAT (.1 GAL/SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

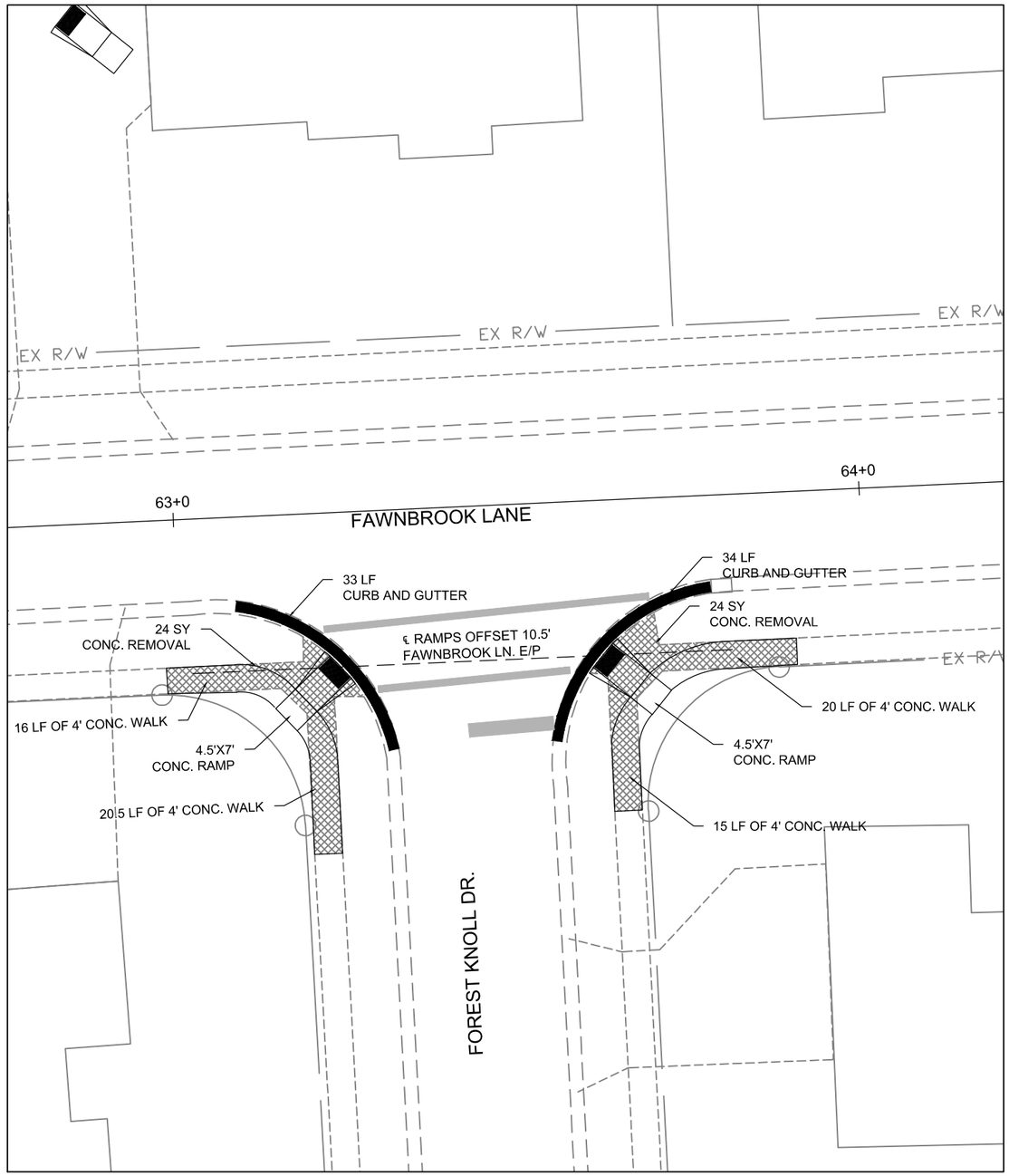
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

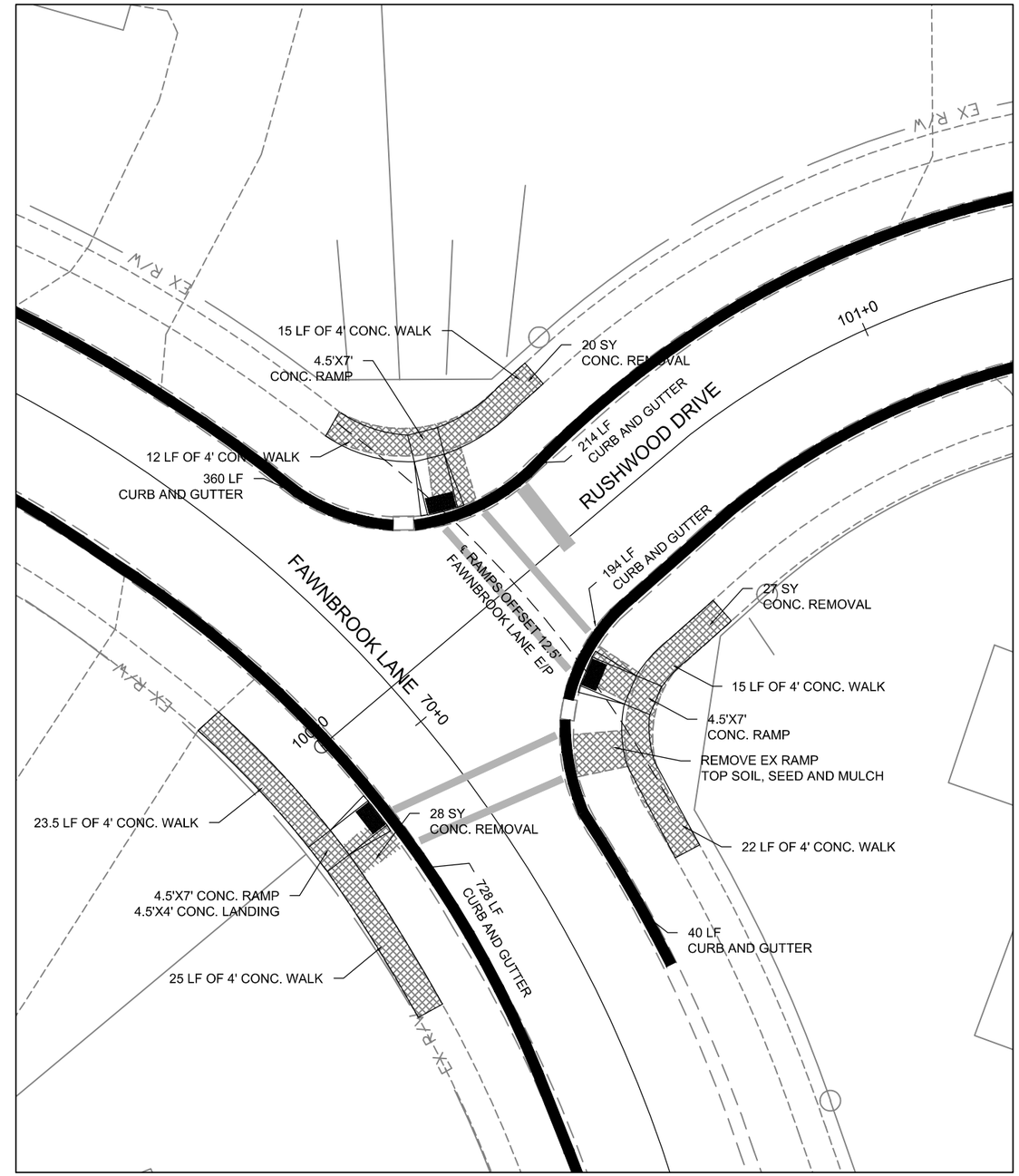
RUSHWOOD DRIVE
ROADWAY

15-001-CIP



INTERSECTION A:
FAWNBROOK LANE AT FOREST KNOLL DRIVE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS



INTERSECTION B:
FAWNBROOK LANE AT RUSHWOOD DRIVE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS

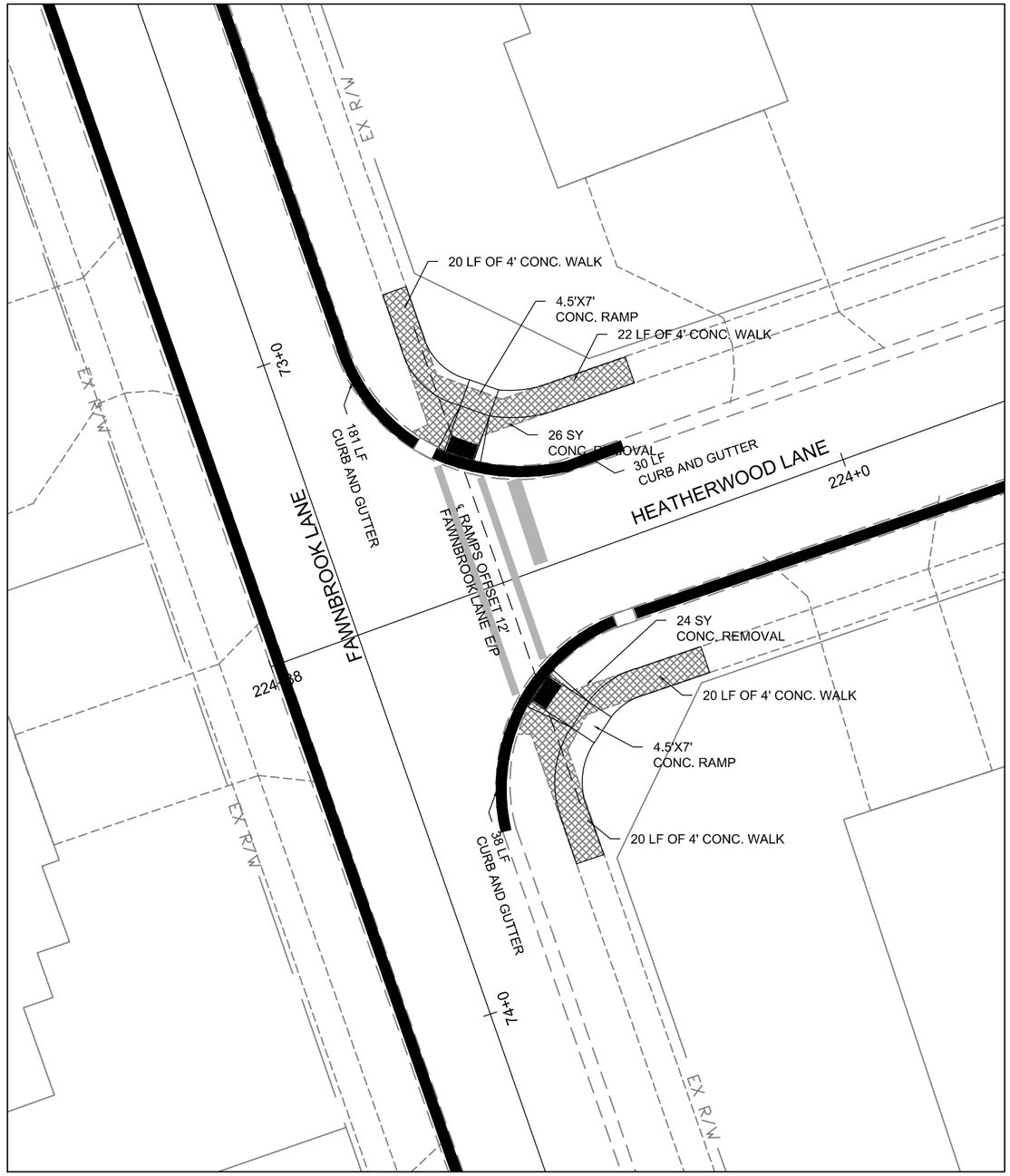
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

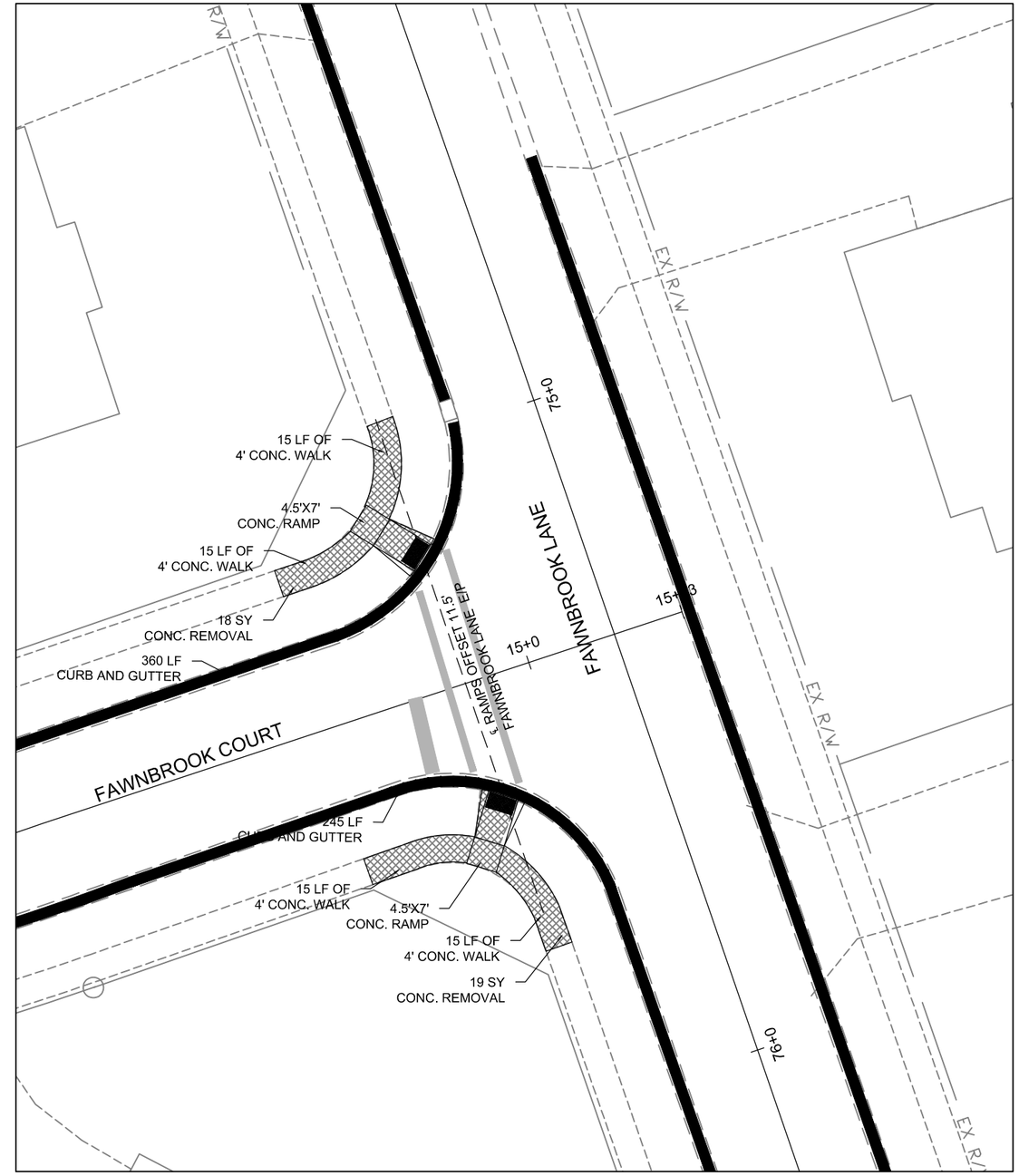
CURB RAMP DETAILS
INTERSECTIONS A & B

15-001-CIP



INTERSECTION C:
HEATHERWOOD LANE AT FAWNBROOK LANE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS



INTERSECTION D:
FAWNBROOK COURT AT FAWNBROOK LANE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS

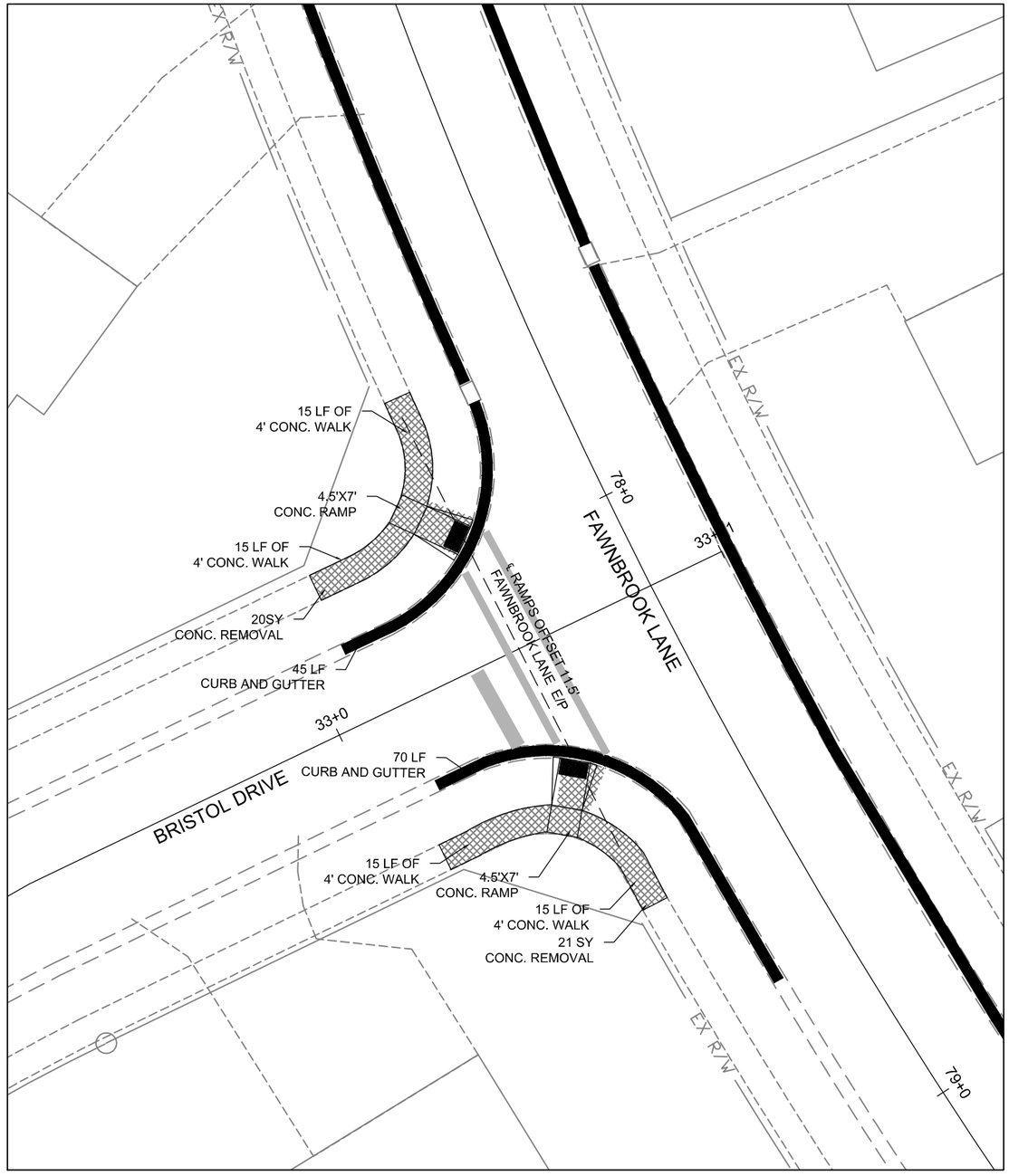
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

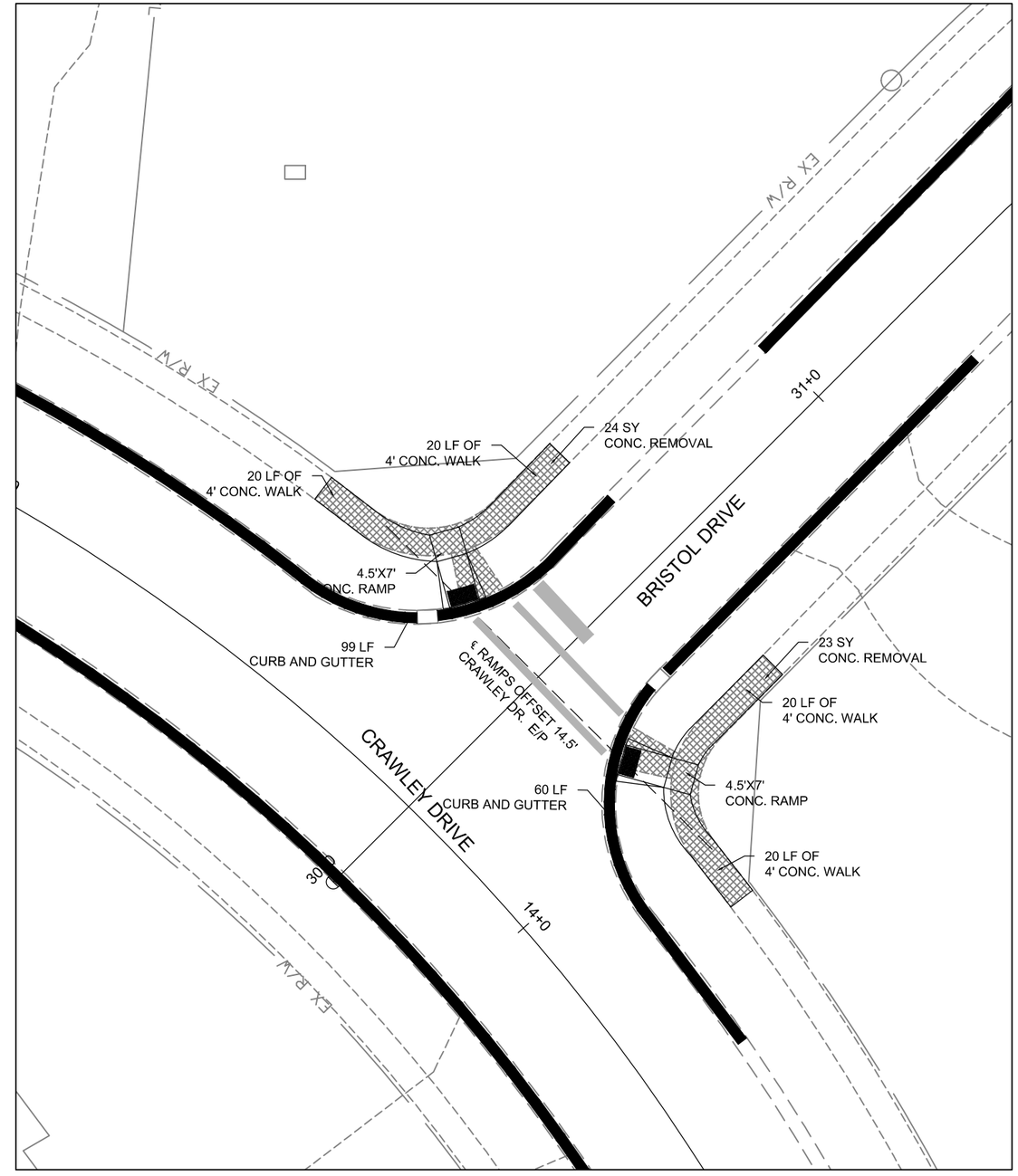
CURB RAMP DETAILS
INTERSECTIONS C & D

15-001-CIP



INTERSECTION E:
BRISTOL DRIVE AT FAWNBROOK LANE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS



INTERSECTION F:
BRISTOL DRIVE AT CRAWLEY DRIVE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS

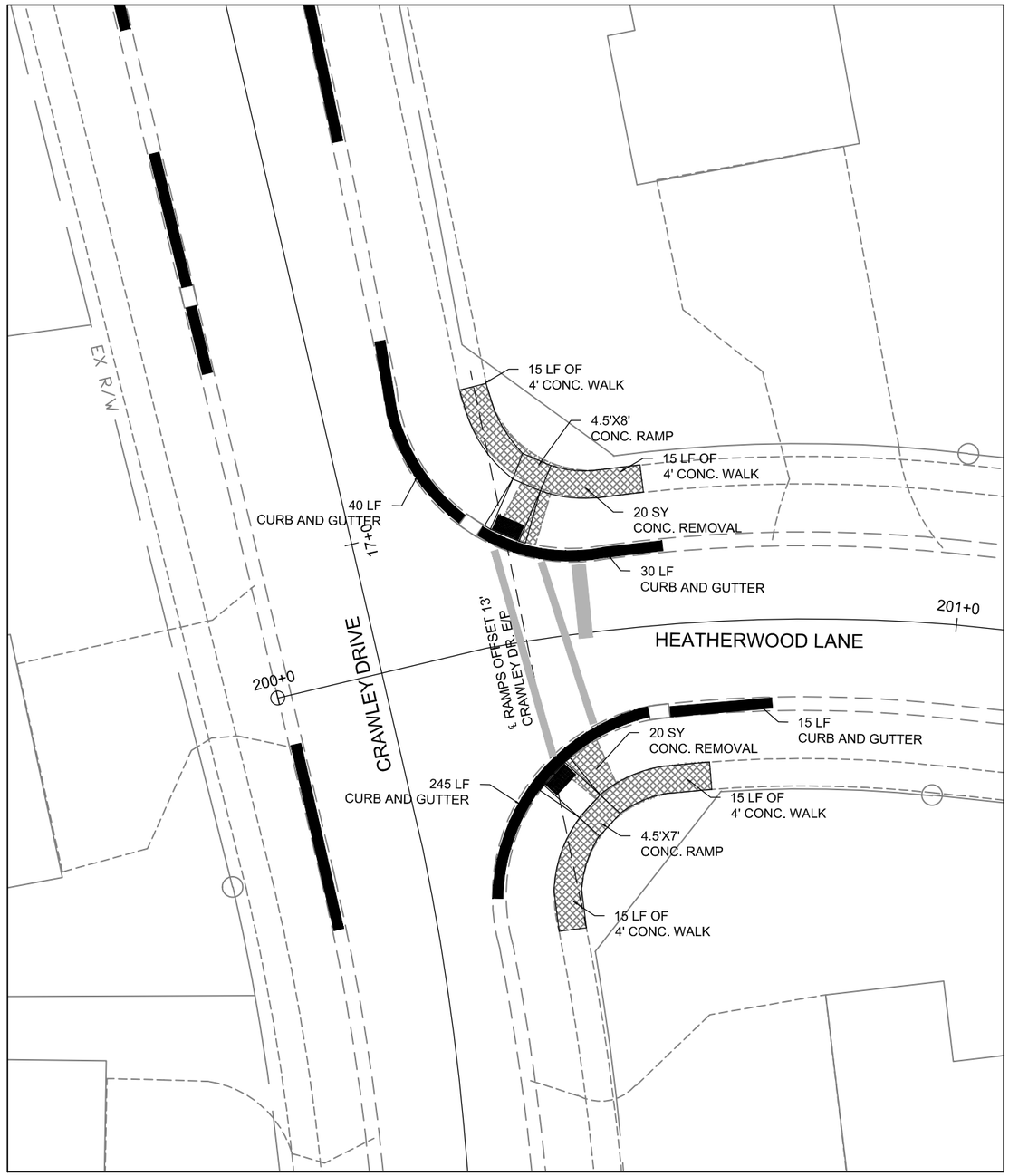
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

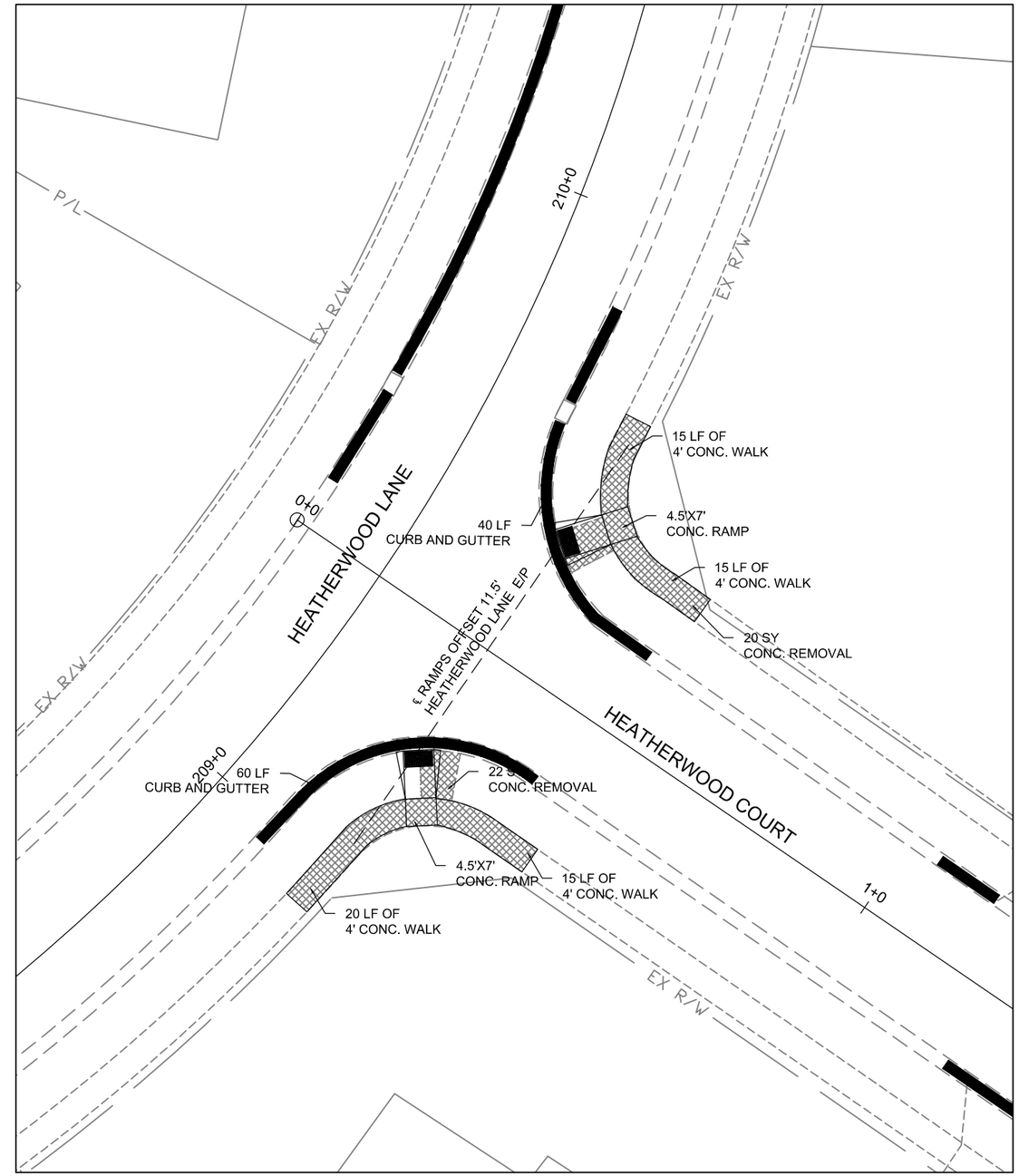
CURB RAMP DETAILS
INTERSECTIONS E & F

15-001-CIP



INTERSECTION G:
HEATHERWOOD LANE AT CRAWLEY DRIVE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS



INTERSECTION H:
HEATHERWOOD COURT AT HEATHERWOOD LANE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS

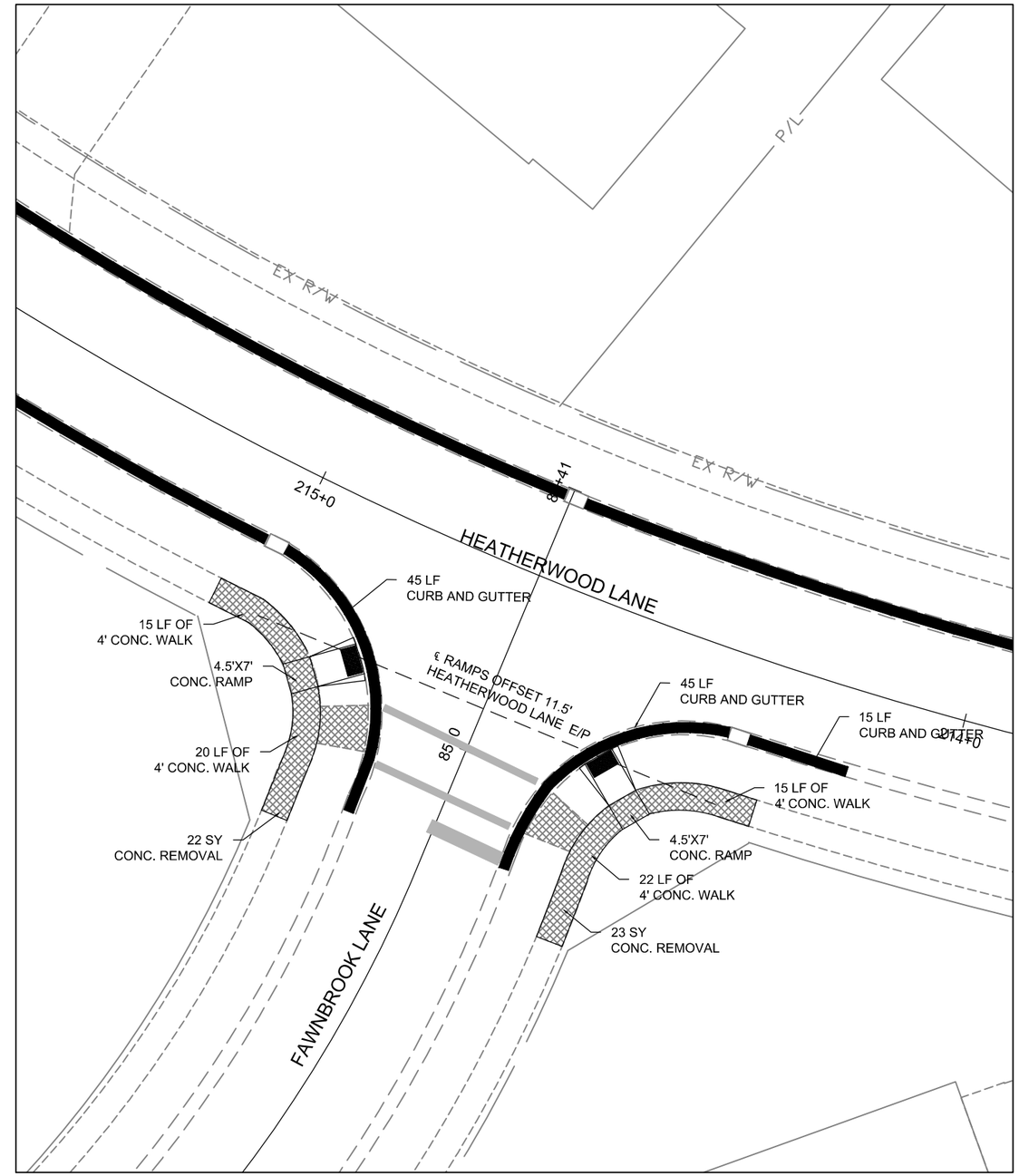
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

CURB RAMP DETAILS
INTERSECTIONS G & H

15-001-CIP



INTERSECTION I:
FAWNBROOK LANE AT HEATHERWOOD LANE
CURB RAMP CONSTRUCTION DETAILS

REMOVE AND DISPOSE OF EXISTING CONCRETE RAMP, SIDEWALK AND ASPHALT BIKEPATH WITHIN LIMITS

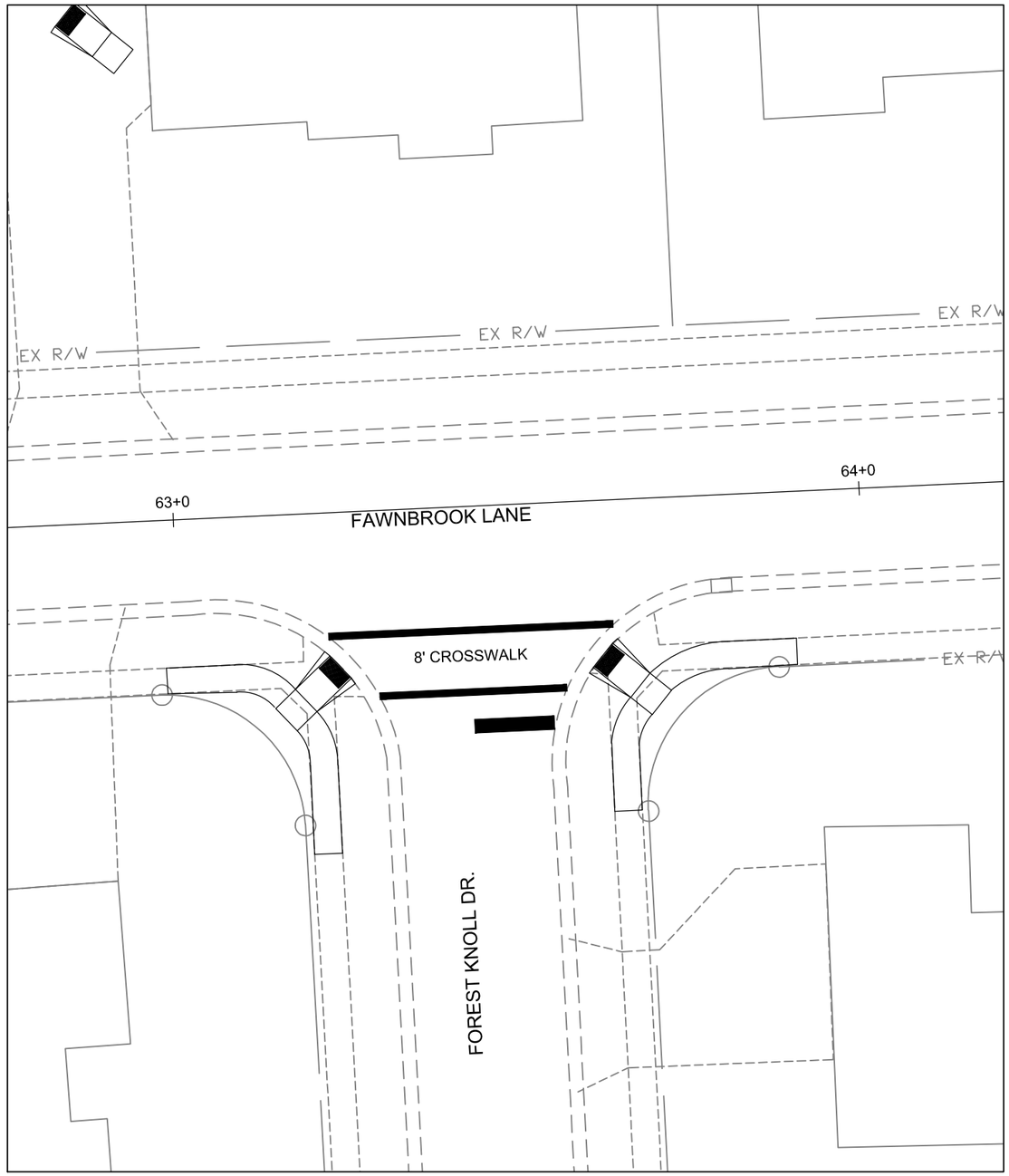
N

0 10 20
SCALE IN FEET

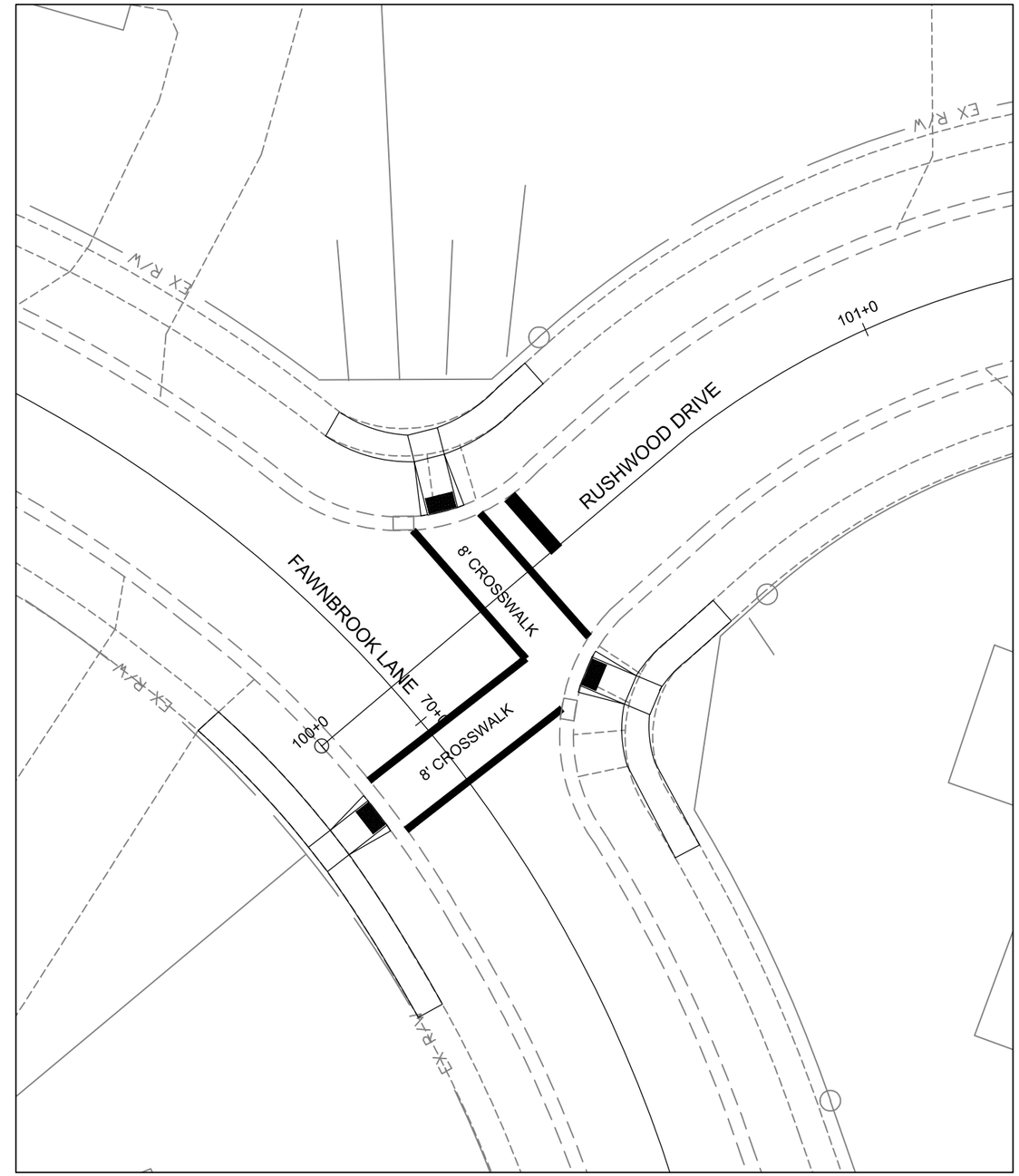
DRAWN BY: DAL
REVISED NONE

CURB RAMP DETAILS
INTERSECTION I

15-001-CIP



INTERSECTION A:
FAWNBROOK LANE AT FOREST KNOLL DRIVE
ROADWAY STRIPING



INTERSECTION B:
FAWNBROOK LANE AT RUSHWOOD DRIVE
ROADWAY STRIPING

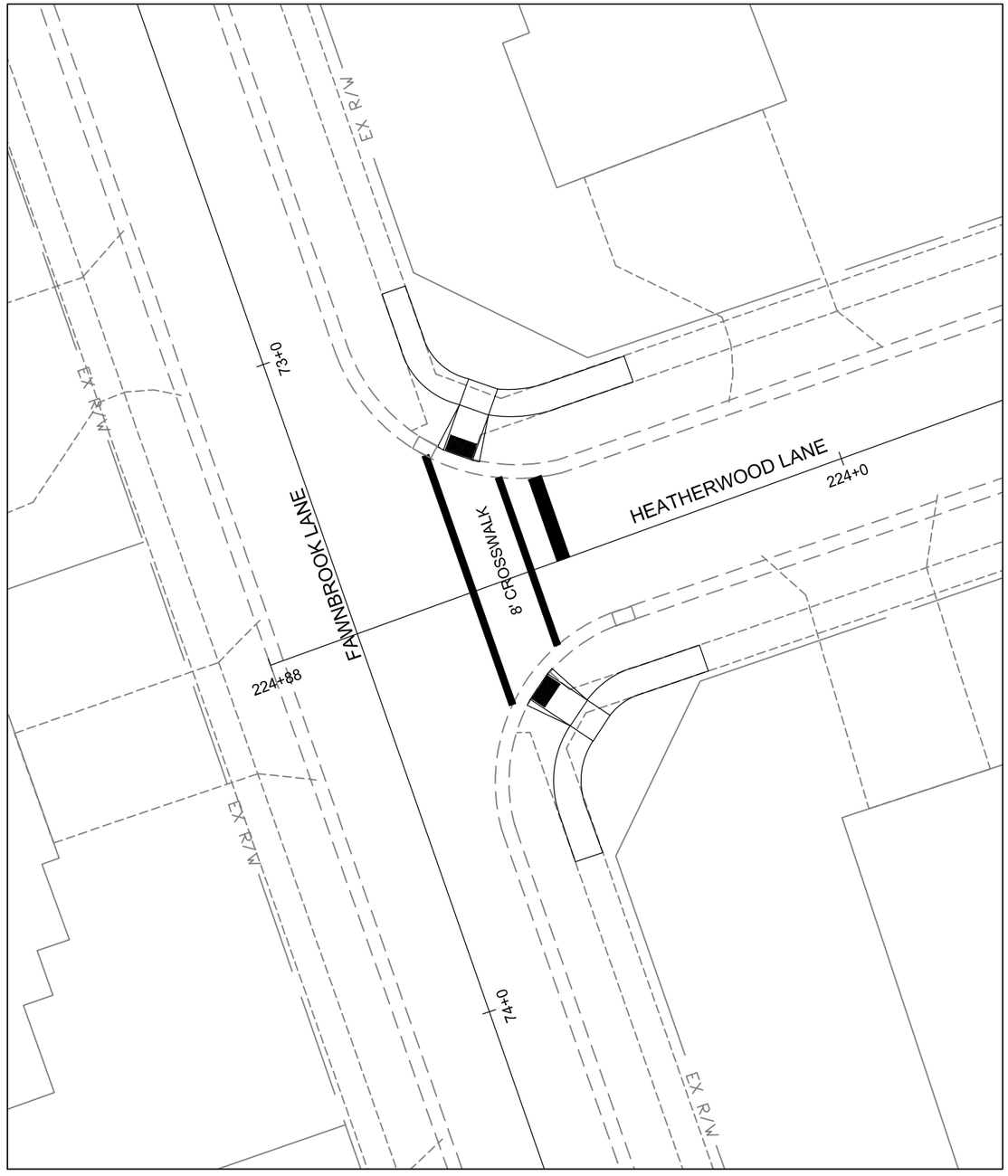
N

0 10 20
SCALE IN FEET

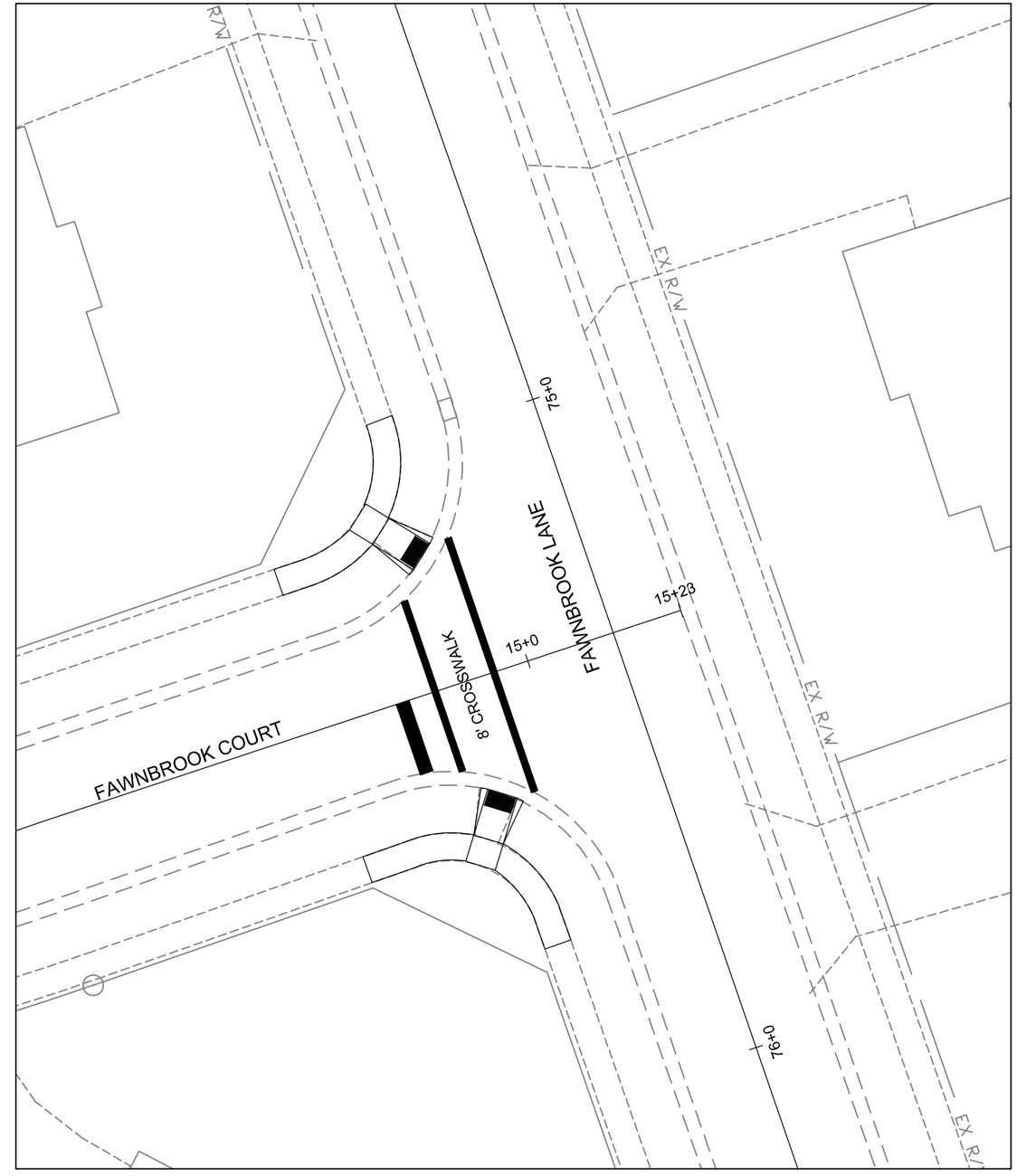
DRAWN BY: DAL
REVISED NONE

TRAFFIC AND STRIPING
INTERSECTIONS A & B

15-001-CIP



INTERSECTION C:
HEATHERWOOD LANE AT FAWNBROOK LANE
ROADWAY STRIPING



INTERSECTION D:
FAWNBROOK COURT AT FAWNBROOK LANE
ROADWAY STRIPING

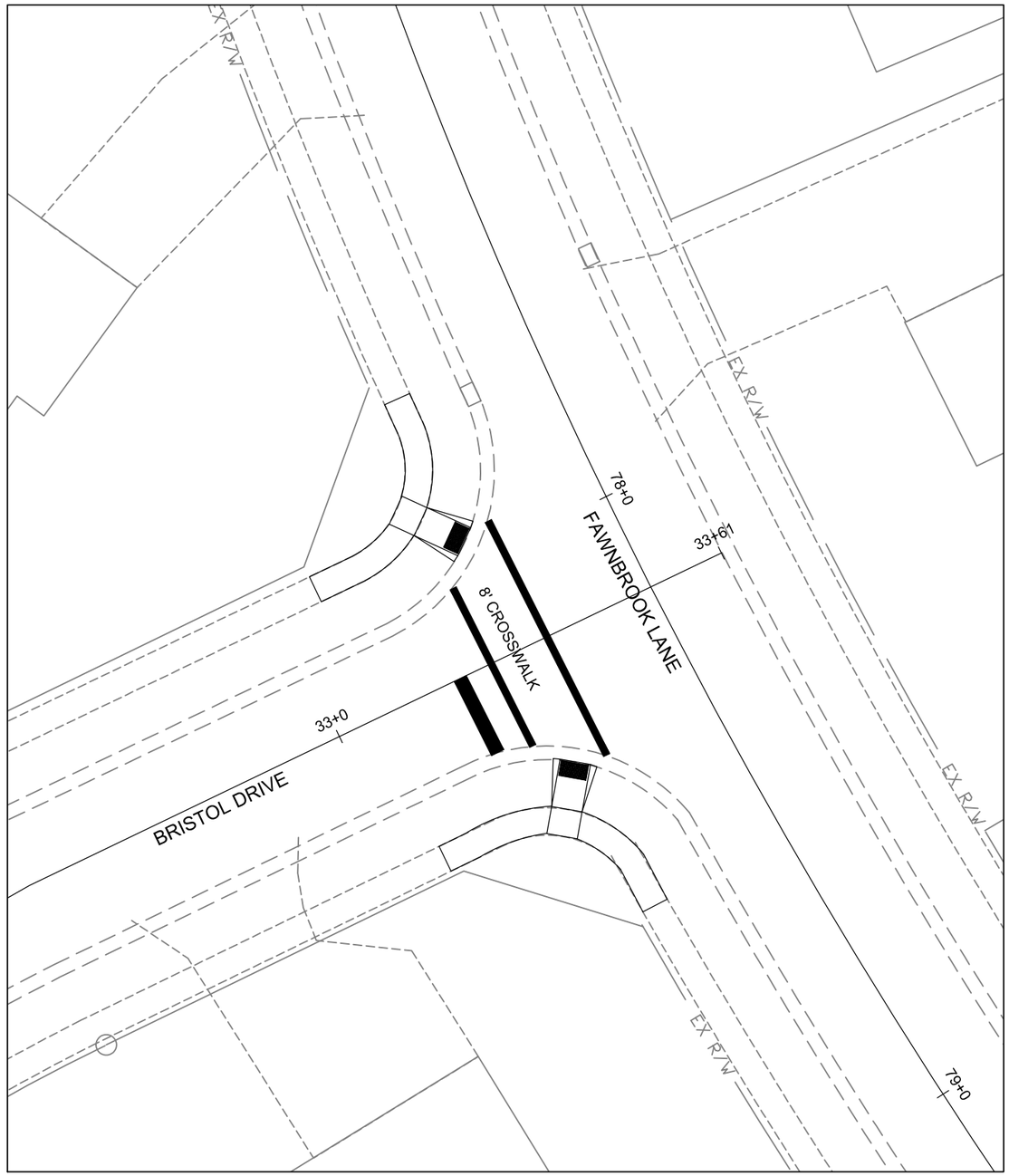
N

0 10 20
SCALE IN FEET

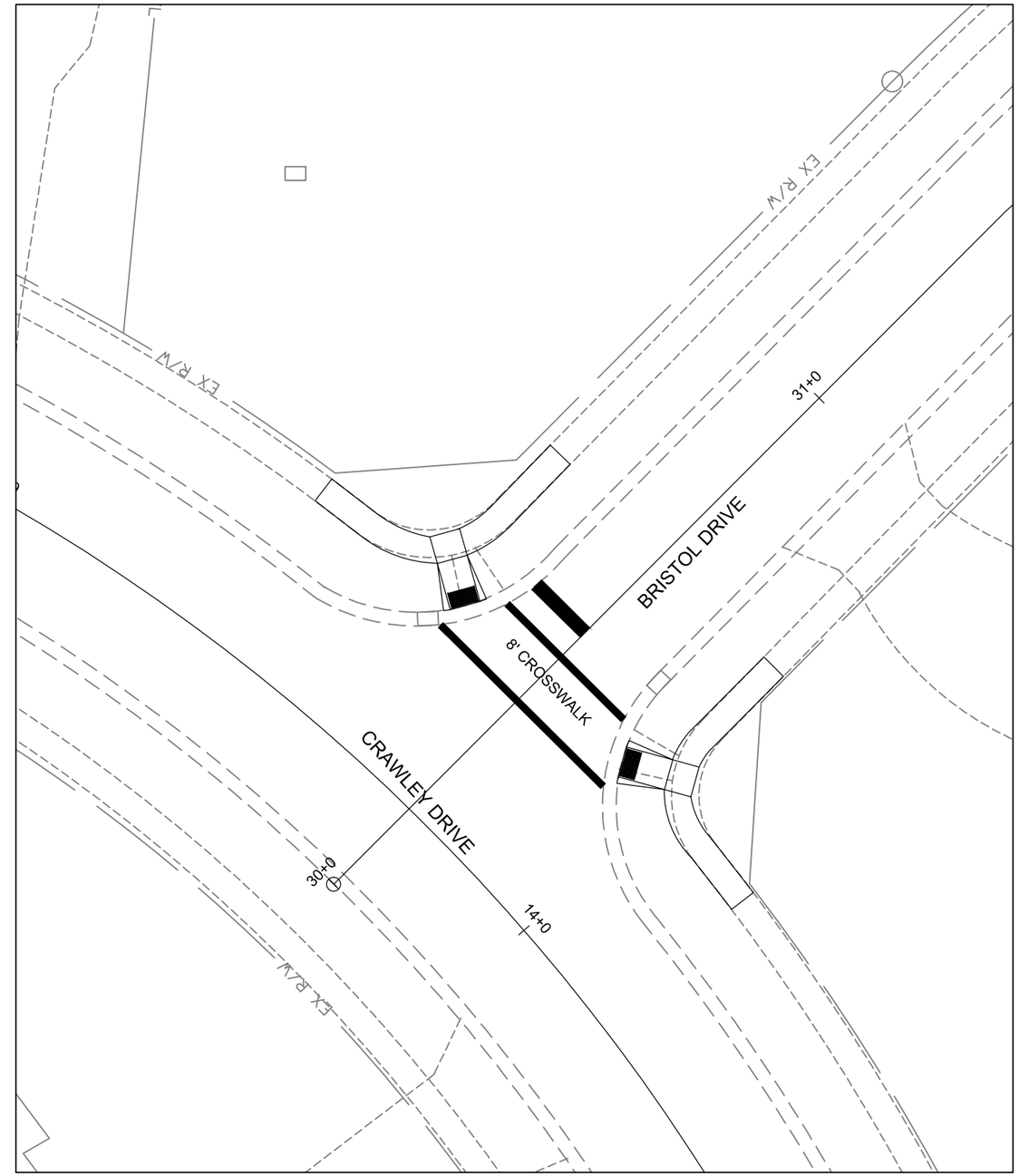
DRAWN BY: DAL
REVISED NONE

TRAFFIC AND STRIPING
INTERSECTIONS C & D

15-001-CIP



INTERSECTION E:
BRISTOL DRIVE AT FAWNBROOK LANE
ROADWAY STRIPING



INTERSECTION F:
BRISTOL DRIVE AT CRAWLEY DRIVE
ROADWAY STRIPING

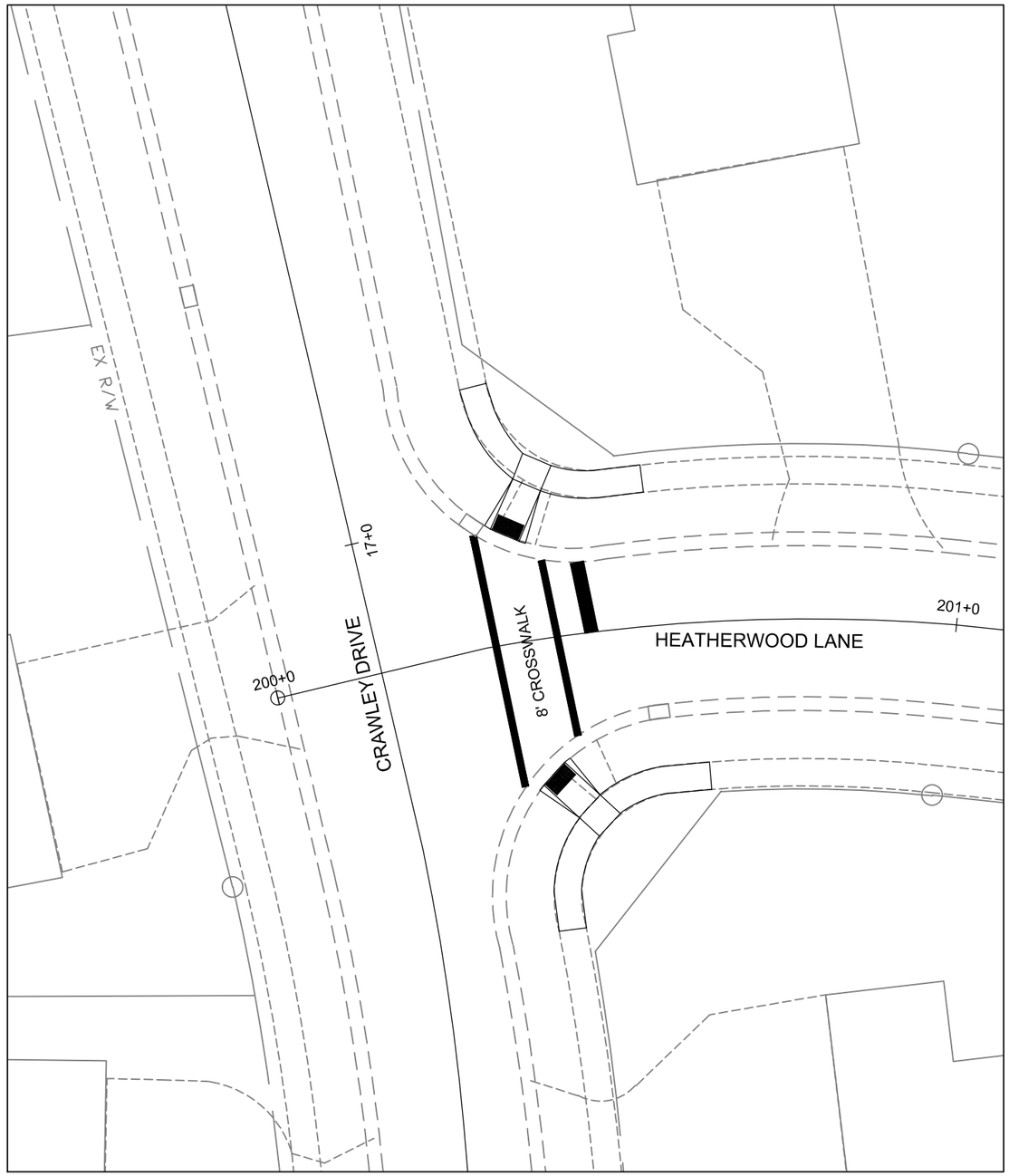
N

0 10 20
SCALE IN FEET

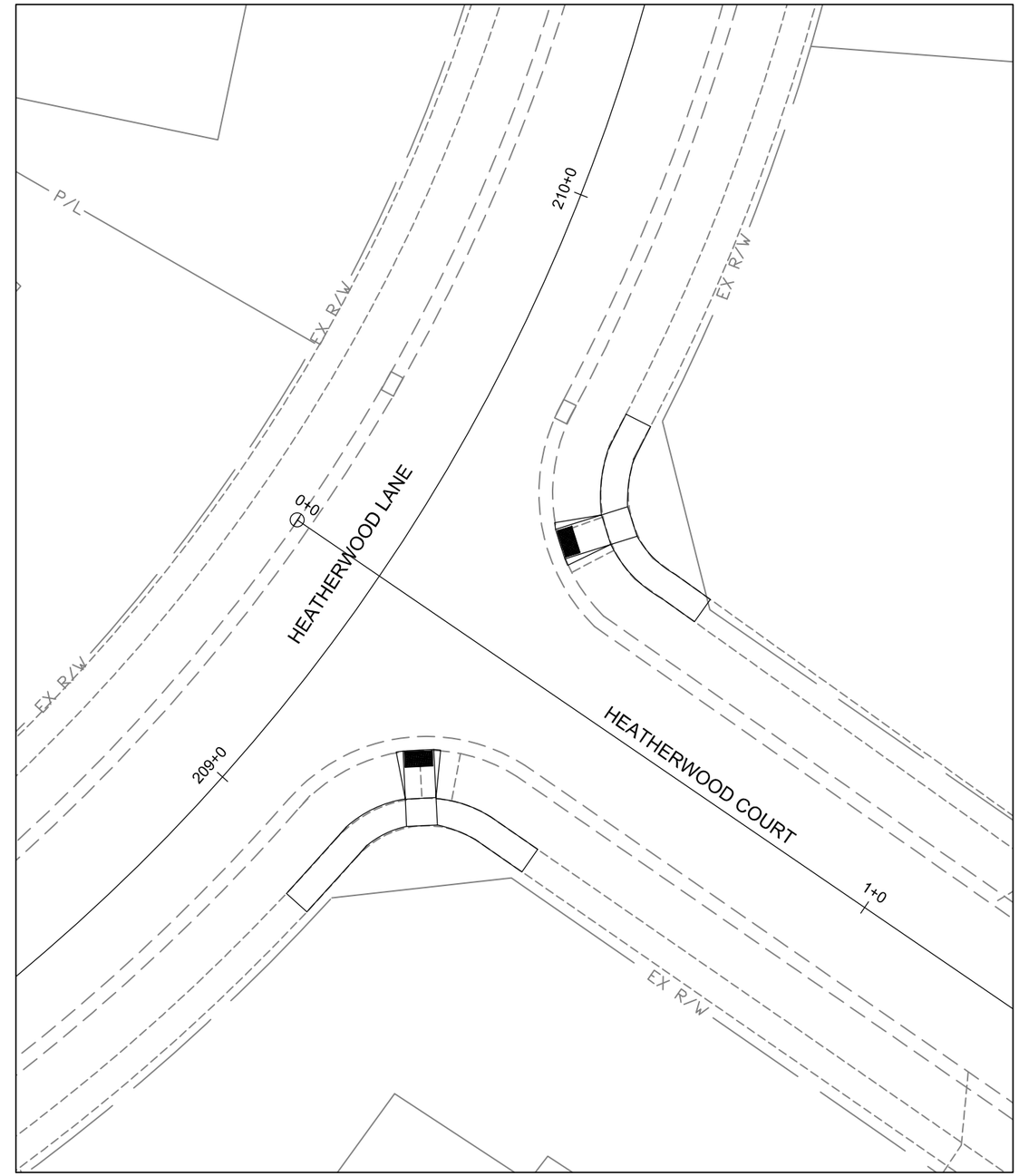
DRAWN BY: DAL
REVISED NONE

TRAFFIC AND STRIPING
INTERSECTIONS E & F

15-001-CIP



INTERSECTION G:
HEATHERWOOD LANE AT CRAWLEY DRIVE
ROADWAY STRIPING



INTERSECTION H:
HEATHERWOOD COURT AT HEATHERWOOD LANE

NO ROADWAY STRIPING

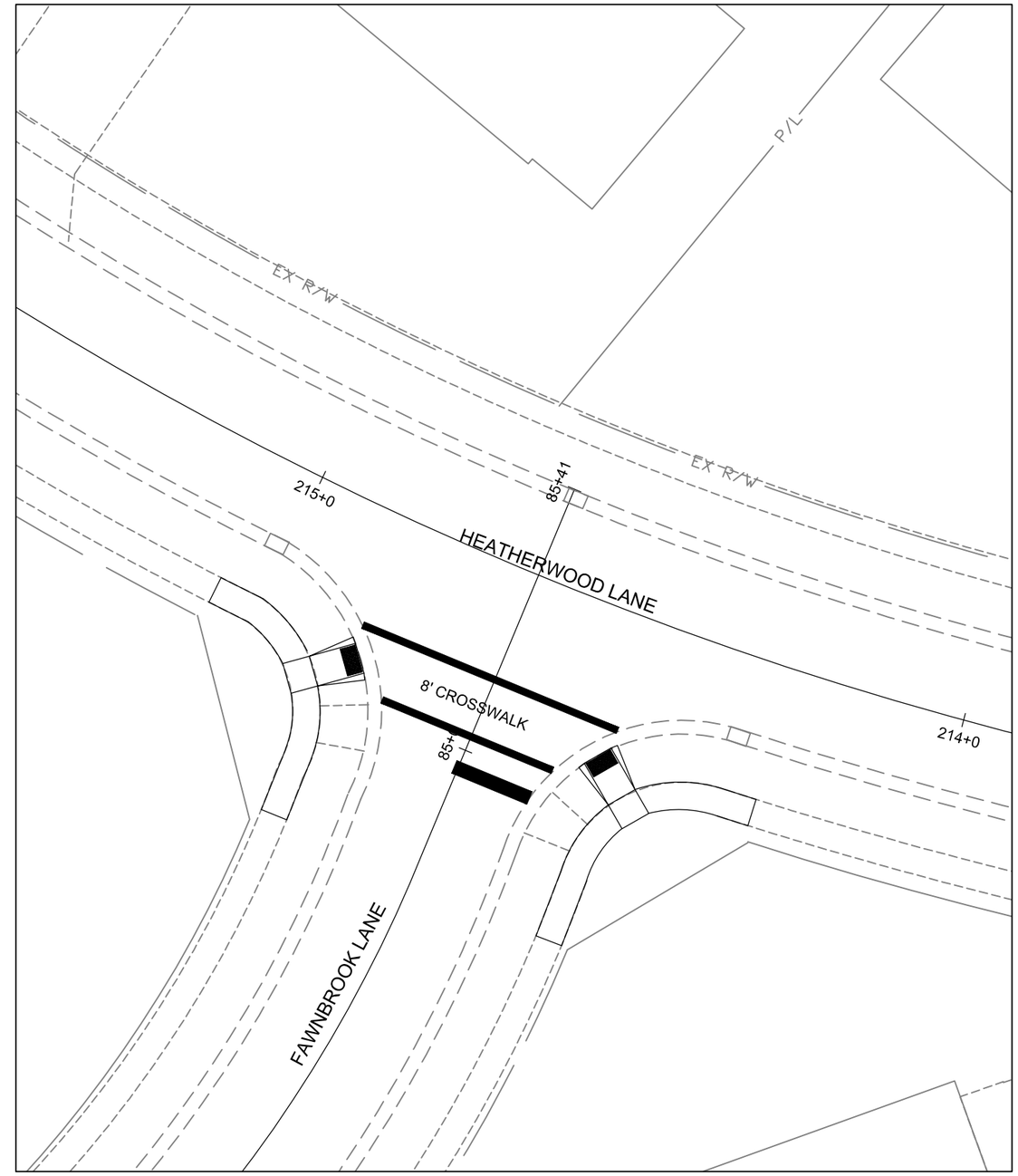
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

TRAFFIC AND STRIPING
INTERSECTIONS G & H

15-001-CIP



INTERSECTION I:
FAWNBROOK LANE AT HEATHERWOOD LANE
ROADWAY STRIPING

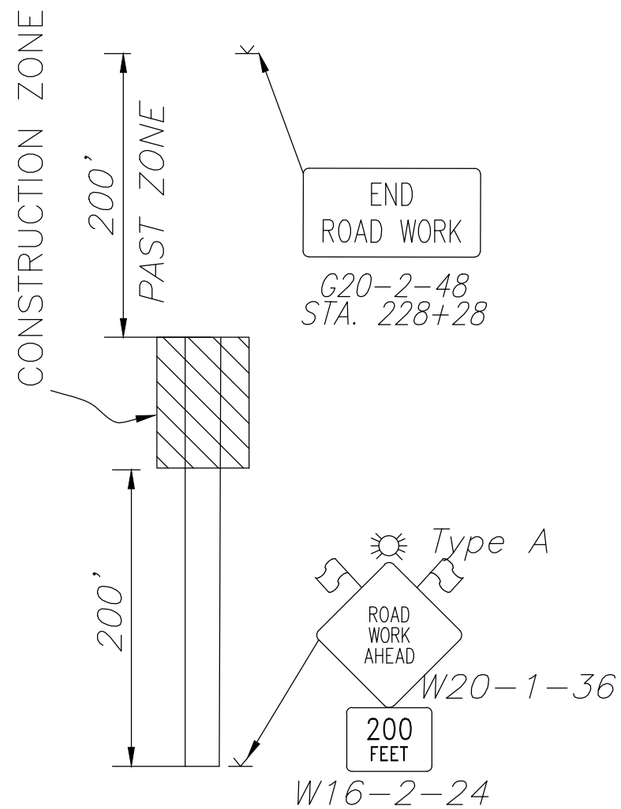
N

0 10 20
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

TRAFFIC AND STRIPING
INTERSECTION I

15-001-CIP



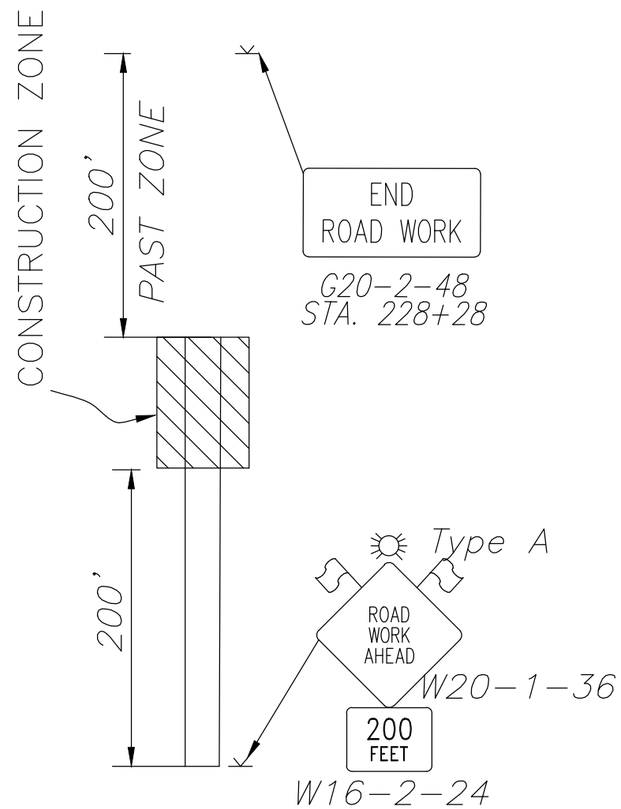
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	FAWNBROOK LANE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	94
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	3061
254	Pavement Planing, 3",A.P.P.	SY	5470
407	NTSS-1HM TracklessTack Coat	GAL	960
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	540
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	460
604	Structure- Adjust, Inlet, A.P.P.	EA	8
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	650
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	160
609	Combination Curb/Gutter, A.P.P.	LF	3061
644	Crosswalk Line, 12"	LF	136
644	Stop Bar, 24"	LF	24
653	Pulverized Topsoil, A.P.P.	CY	120
659	Vegetation (Seed/Mulch), A.P.P.	SY	140
Special	Curb Can Holes	EA	56
Special	Detectable Warning Panel	SF	32
Special	Asphalt Rejuvenating Agent	SY	5470
	* Curb Ramp Quantities: Fawnbrook Lane @ Forrest Knoll Drive, Fawnbrook Lane @ Heatherwood Lane		
	* Striping Quantities: Fawnbrook Lane @ Forrest Knoll Drive, Fawnbrook Lane @ Heatherwood Lane		

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
FAWNBROOK LANE

15-001-CIP



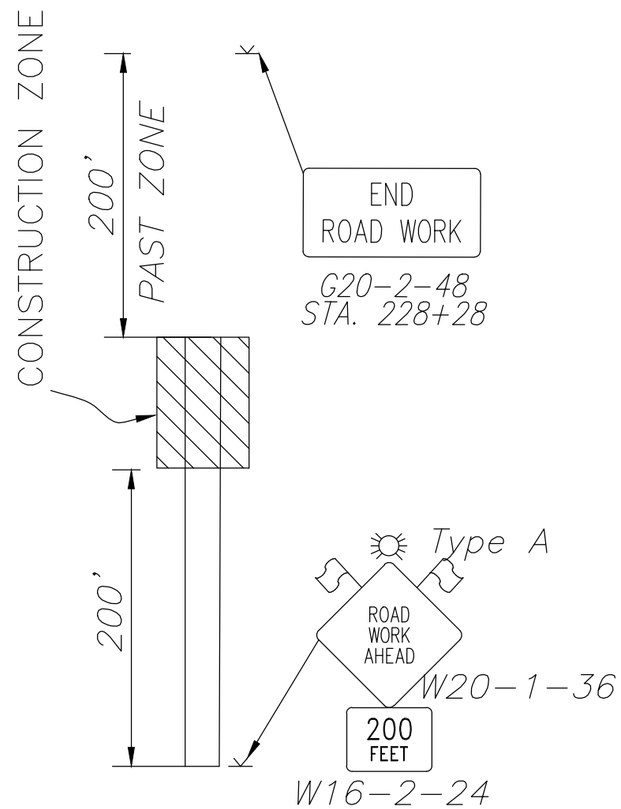
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	FAWNBROOK COURT ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	38
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	1000
254	Pavement Planing, 3",A.P.P.	SY	1600
407	NTSS-1HM TracklessTack Coat	GAL	280
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	160
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	140
604	Structure- Adjust, Inlet, A.P.P.	EA	3
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	280
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	80
609	Combination Curb/Gutter, A.P.P.	LF	1000
644	Crosswalk Line, 12"	LF	76
644	Stop Bar, 24"	LF	12
653	Pulverized Topsoil, A.P.P.	CY	42
659	Vegetation (Seed/Mulch), A.P.P.	SY	70
Special	Curb Can Holes	EA	23
Special	Detectable Warning Panel	SF	16
Special	Asphalt Rejuvenating Agent	SY	1600
	* Curb Ramp Quantities: Fawnbrook Court @ Fawnbrook Lane		
	* Striping Quantities: Fawnbrook Court @ Fawnbrook Lane		

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
FAWNBROOK COURT

15-001-CIP



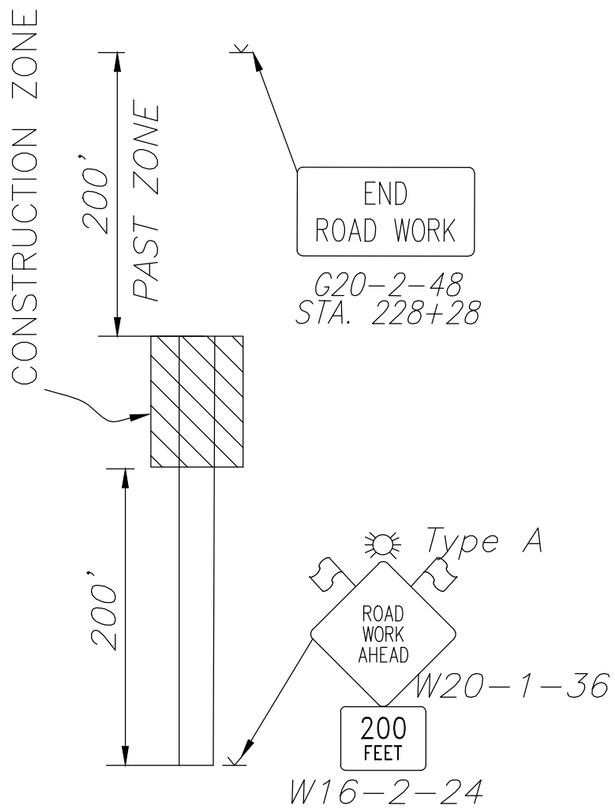
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	BRISTOL DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	87
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	210
254	Pavement Planing, 3",A.P.P.	SY	815
407	NTSS-1HM TracklessTack Coat	GAL	142
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	80
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	70
604	Structure- Adjust, Inlet, A.P.P.	EA	0
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	640
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	160
609	Combination Curb/Gutter, A.P.P.	LF	210
644	Crosswalk Line, 12"	LF	120
644	Stop Bar, 24"	LF	24
653	Pulverized Topsoil, A.P.P.	CY	24
659	Vegetation (Seed/Mulch), A.P.P.	SY	160
Special	Curb Can Holes	EA	3
Special	Detectable Warning Panel	SF	32
Special	Asphalt Rejuvenating Agent	SY	815
	* Curb Ramp Quantities: Bristol Drive @ Fawnbrook Lane, Bristol Drive @ Crawley Drive		
	* Striping Quantities: Bristol Drive @ Fawnbrook Lane, Bristol Drive @ Crawley Drive		

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
BRISTOL DRIVE

15-001-CIP



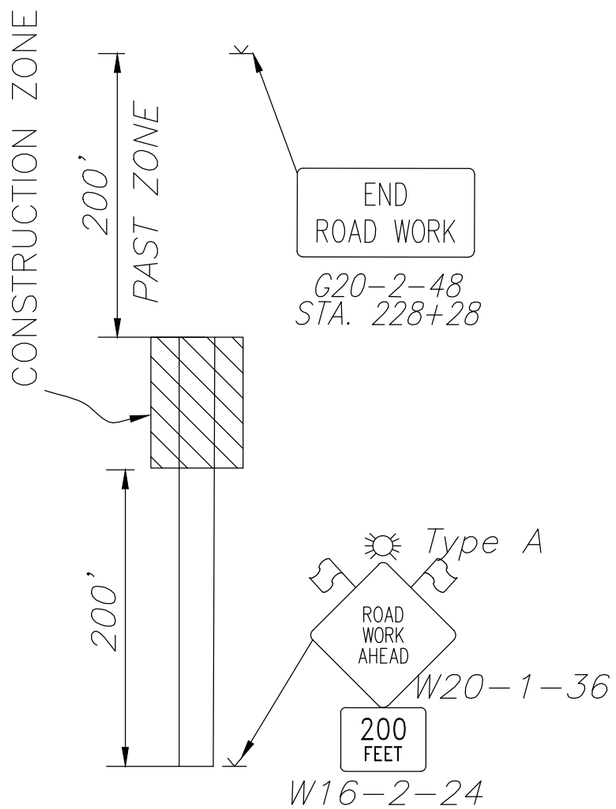
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	CRAWLEY DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	685
254	Pavement Planing, 1.5",A.P.P.	SY	182
254	Pavement Planing, 3",A.P.P.	SY	1237
407	NTSS-1HM TracklessTack Coat	GAL	235
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	120
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	120
604	Structure- Adjust, Inlet, A.P.P.	EA	3
609	Combination Curb/Gutter, A.P.P.	LF	685
653	Pulverized Topsoil, A.P.P.	CY	25
Special	Curb Can Holes	EA	10
Special	Asphalt Rejuvenating Agent	SY	1417

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
CRAWLEY DRIVE

15-001-CIP



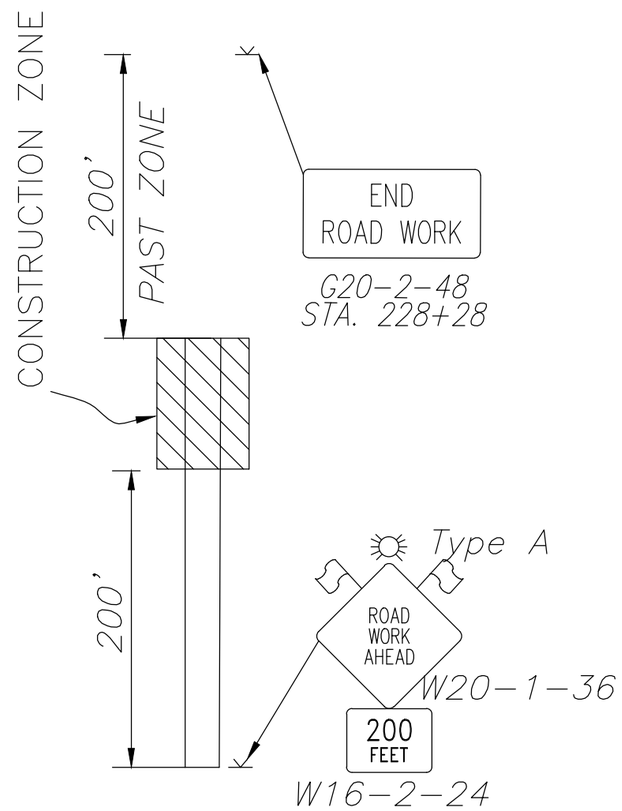
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	HEATHERWOOD LANE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	90
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	1800
254	Pavement Planing, 3",A.P.P.	SY	6022
407	NTSS-1HM TracklessTack Coat	GAL	1055
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	592
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	510
604	Structure- Adjust, Inlet, A.P.P.	EA	5
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	645
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	160
609	Combination Curb/Gutter, A.P.P.	LF	1800
644	Crosswalk Line, 12"	LF	126
644	Stop Bar, 24"	LF	24
653	Pulverized Topsoil, A.P.P.	CY	86
659	Vegetation (Seed/Mulch), A.P.P.	SY	160
Special	Curb Can Holes	EA	39
Special	Detectable Warning Panel	SF	32
Special	Asphalt Rejuvenating Agent	SY	6022
	* Curb Ramp Quantities: Heatherwood Lane @ Fawnbrook Lane, Heatherwood Lane @ Crawley Drive		
	* Striping Quantities: Heatherwood Lane @ Fawnbrook Lane, Heatherwood Lane @ Crawley Drive		

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
HEATHERWOOD LANE

15-001-CIP



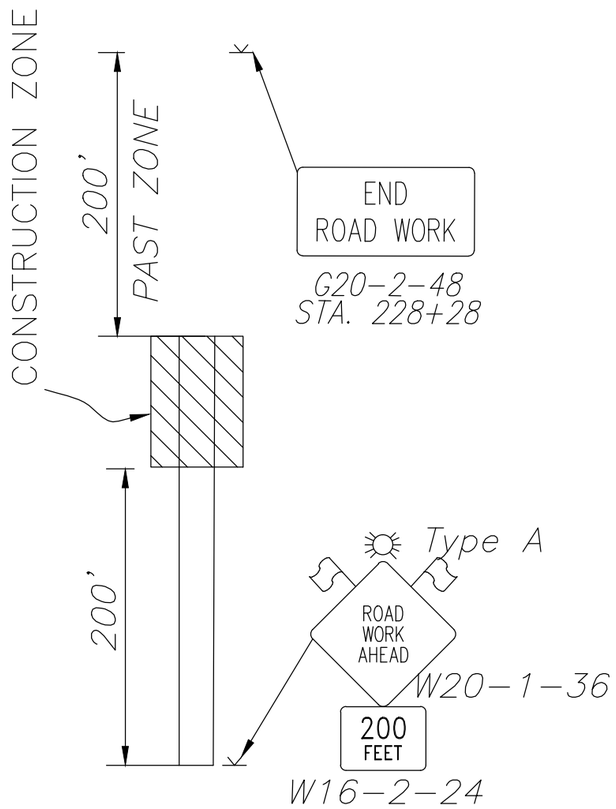
ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	HEATHERWOOD COURT ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	42
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	410
254	Pavement Planing, 3",A.P.P.	SY	1030
407	NTSS-1HM TracklessTack Coat	GAL	180
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	100
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	87
604	Structure- Adjust, Inlet, A.P.P.	EA	1
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	300
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	80
609	Combination Curb/Gutter, A.P.P.	LF	410
644	Crosswalk Line, 12"	LF	0
644	Stop Bar, 24"	LF	0
653	Pulverized Topsoil, A.P.P.	CY	22
659	Vegetation (Seed/Mulch), A.P.P.	SY	75
Special	Curb Can Holes	EA	11
Special	Detectable Warning Panel	SF	16
Special	Asphalt Rejuvenating Agent	SY	1030
	* Curb Ramp Quantities: Heatherwood Lane @ Heatherwood Court		
	* Striping Quantities:Heatherwood Lane @ Heatherwood Court		

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
HEATHERWOOD COURT

15-001-CIP



ADVANCE WARNING SIGNS FOR ROAD WORK
(Typical Both Directions)

	RUSHWOOD DRIVE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
202	Concrete Removed & Disposed of, A.P.P.	SY	78
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	700
254	Pavement Planing, 3",A.P.P.	SY	1400
407	NTSS-1HM TracklessTack Coat	GAL	245
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	140
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	120
604	Structure- Adjust, Inlet, A.P.P.	EA	0
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	515
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	110
609	Combination Curb/Gutter, A.P.P.	LF	700
644	Crosswalk Line, 12"	LF	110
644	Stop Bar, 24"	LF	12
653	Pulverized Topsoil, A.P.P.	CY	34
659	Vegetation (Seed/Mulch), A.P.P.	SY	105
Special	Curb Can Holes	EA	11
Special	Detectable Warning Panel	SF	24
Special	Asphalt Rejuvenating Agent	SY	1400
	* Curb Ramp Quantities: Rushwood Drive @Fawnbrook Lane		
	* Striping Quantities: Rushwood Drive @Fawnbrook Lane		
	5730 RUSHWOOD DRIVE ESTIMATED QUANTITIES		
	(replacement of curb and gutter and drive apron due to tree root heave)		
ITEM	DESCRIPTION	UNIT	QUANTITY
203	Excavation, A.P.P.	CY	10
202	Concrete Removed & Disposed of, A.P.P.	SY	23
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	30
251	Asphalt Surface Patch - Miscellaneous, 2"	SY	5
304	Aggregate Base	CY	10
608	6" Conc. Walk w/ Agg. Base, A.P.P.	SF	205
609	Combination Curb/Gutter, A.P.P.	LF	30
653	Pulverized Topsoil, A.P.P.	CY	2
659	Vegetation (Seed/Mulch), A.P.P.	SY	15

DRAWN BY: DAL
REVISED NONE

CONSTRUCTION NOTES AND ESTIMATED QUANTITIES
RUSHWOOD DRIVE

15-001-CIP

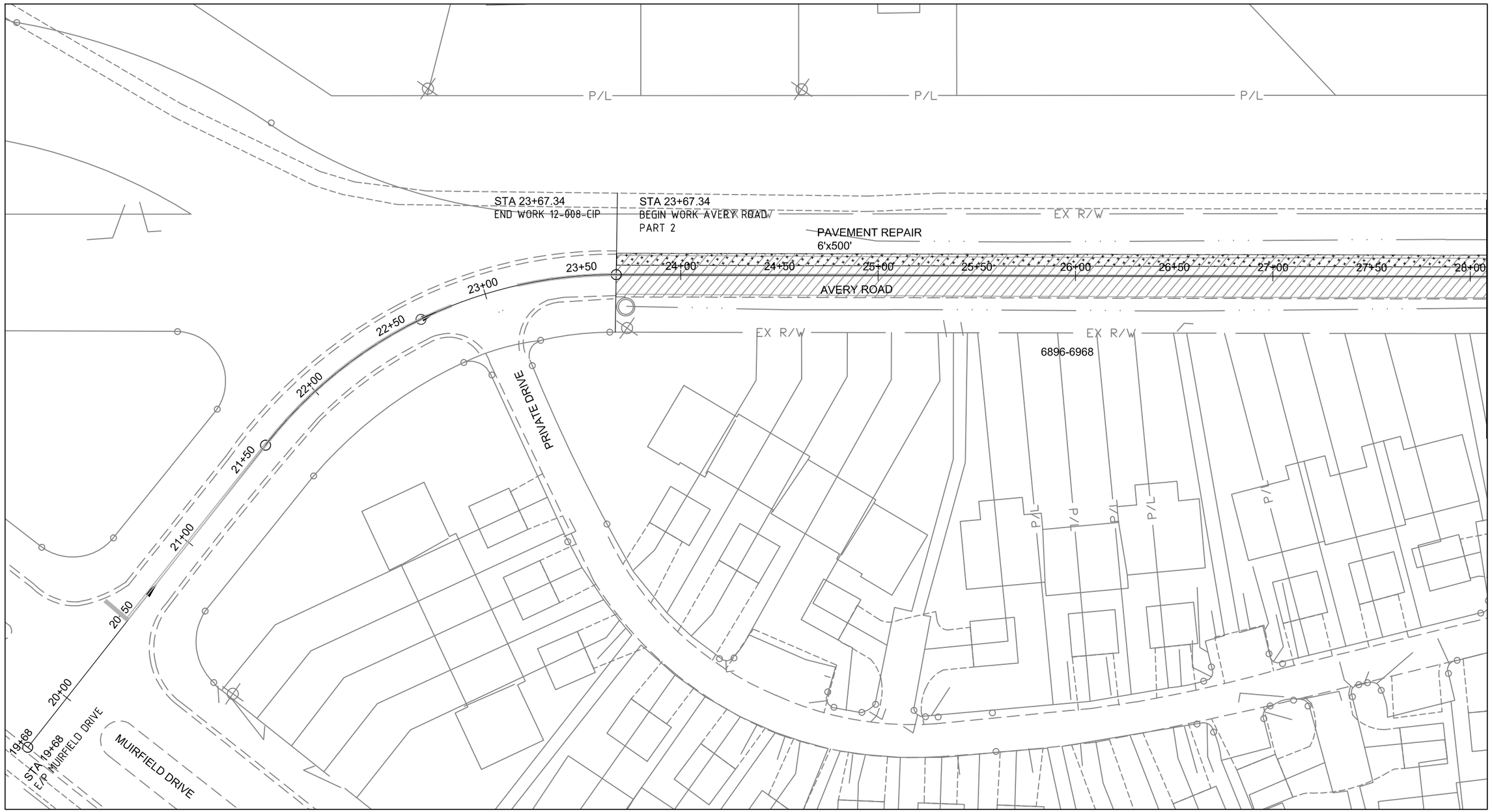
NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY



MATCHLINE STA 28+08

N

0 25' 50'
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

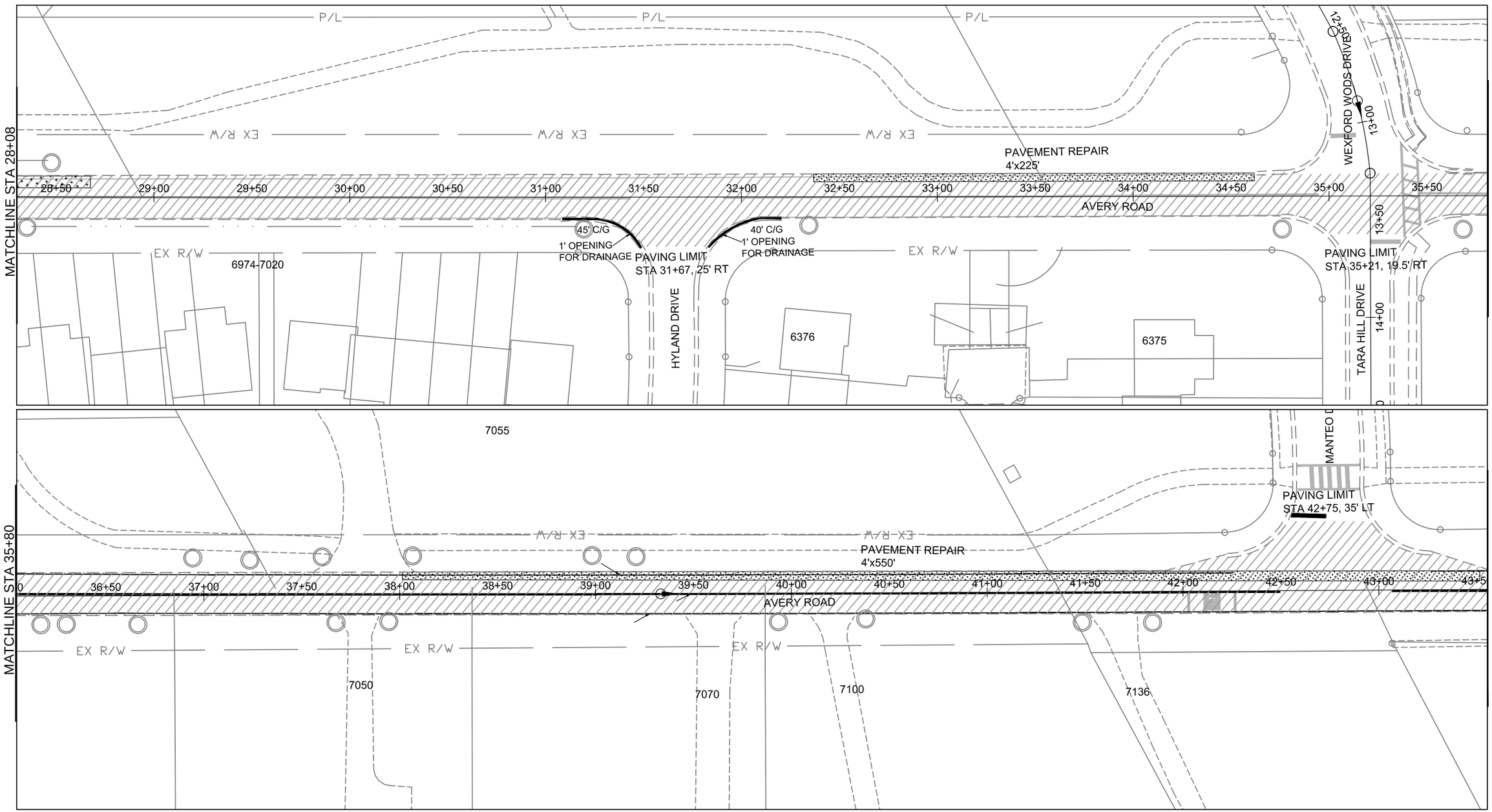
NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY



DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

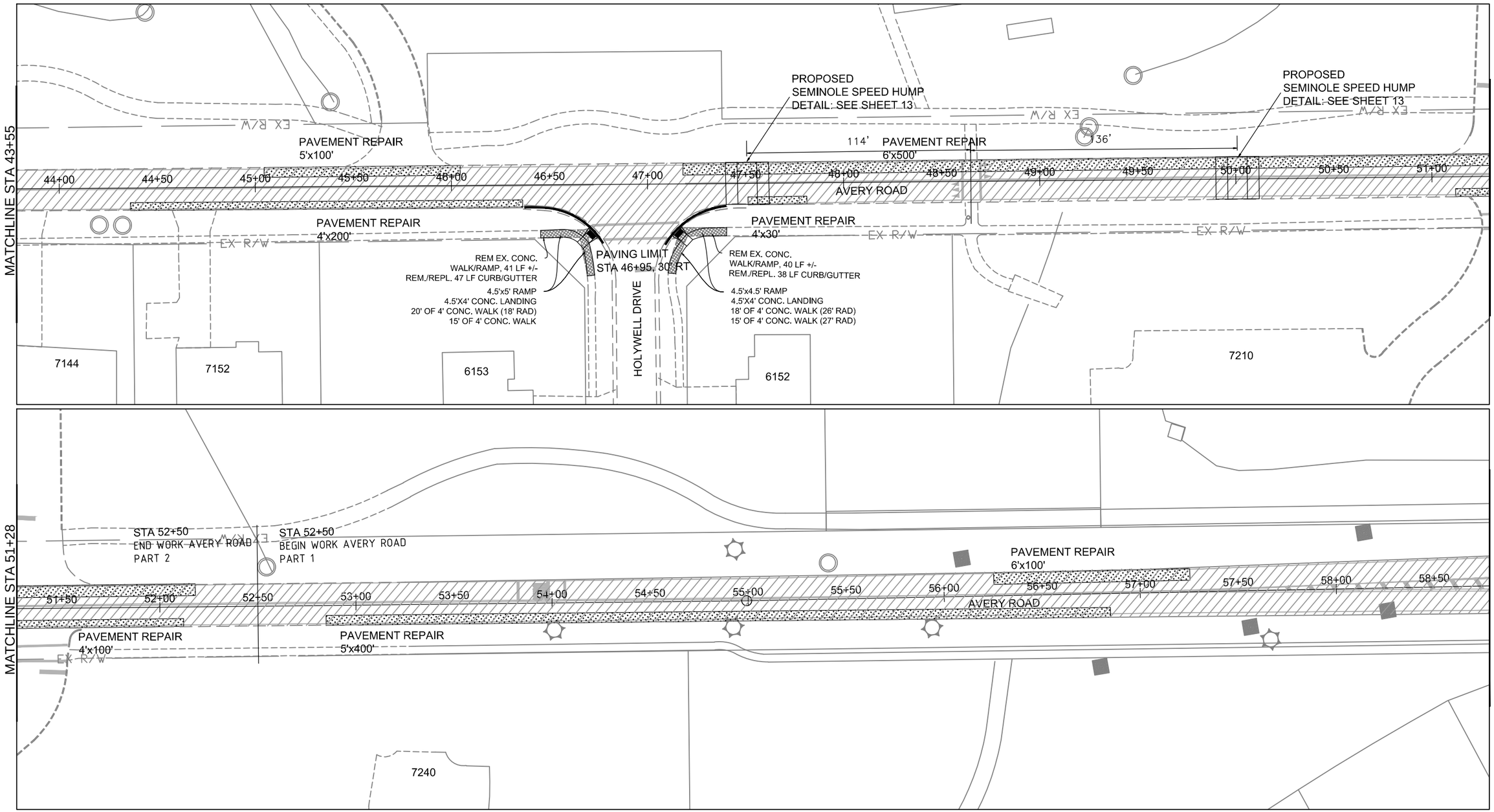
NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY



SCALE IN FEET
0 25' 50'

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

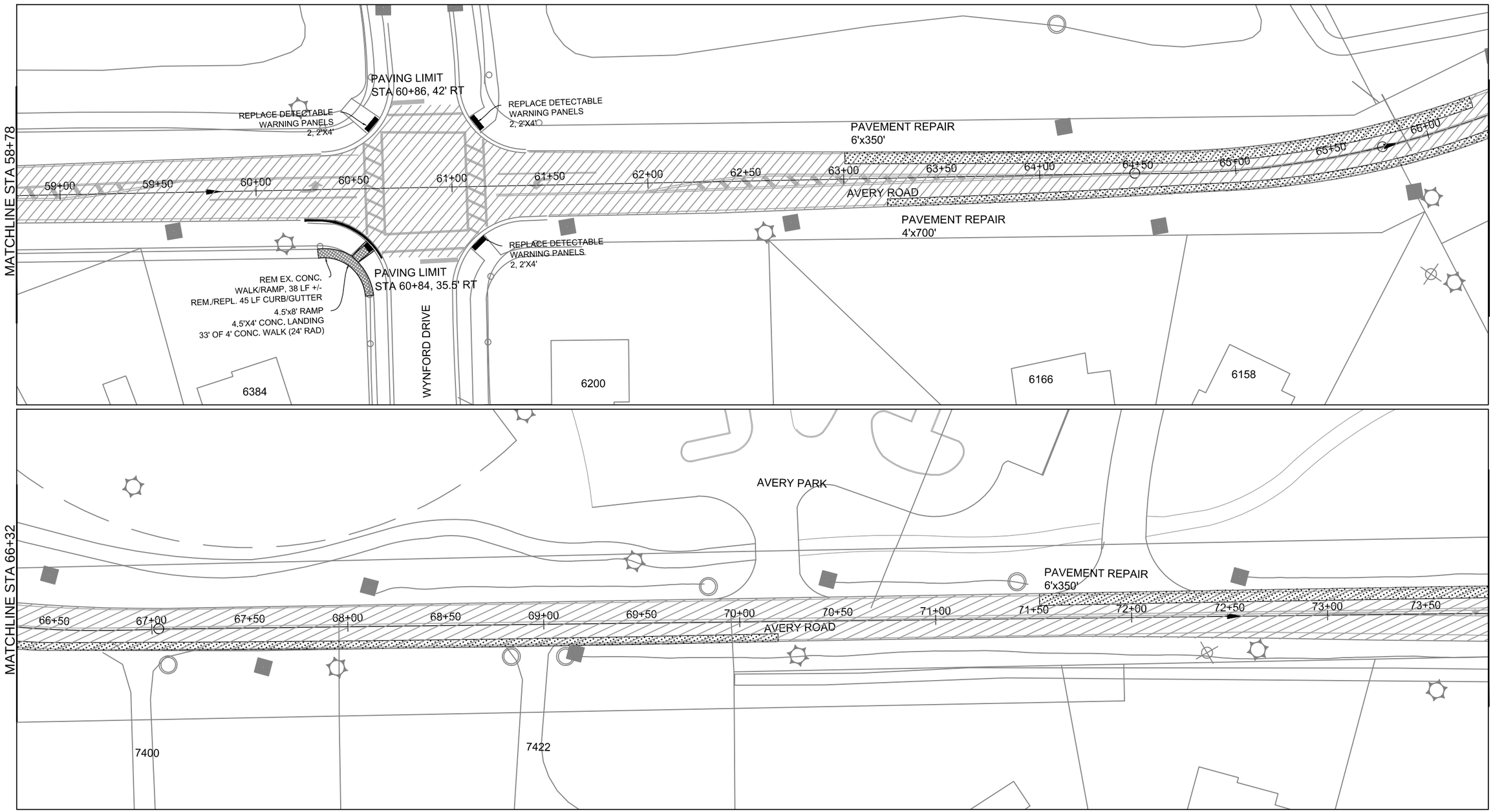
NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY



N

0 25' 50'
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

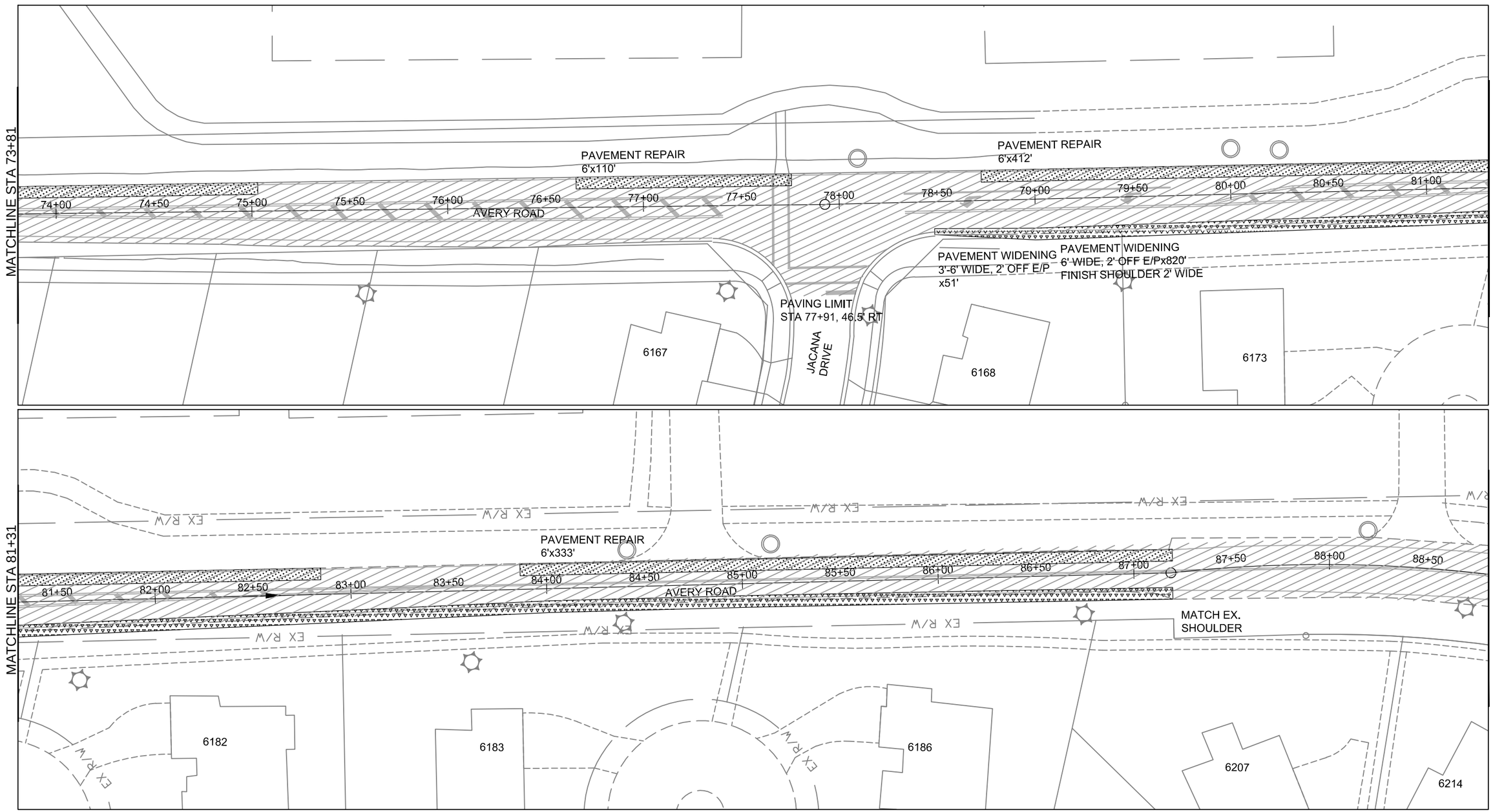
TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

PAVEMENT WIDENING
PAVEMENT REMOVAL
EXCAVATION, 12" DEEP
SUBGRADE COMPACTION
ITEM 304 AGGREGATE BASE, 6"
ITEM 301 BITUMINOUS AGGREGATE BASE, 3"
TRACKLESS TACK COAT (.075 GAL/SY)
1.75" 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22
TRACKLESS TACK COAT (.075 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
(WITH MAIN LINE FINAL SURFACE COURSE)

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY

TOPSOIL, SEED/MULCH BERM: 1.5' (+/-) WIDE ALONG AVERY ROAD FOLLOWING PAVING WORK



AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

DRAWN BY: DAL
REVISED NONE

SCALE IN FEET 0 25' 50'

NOTES:
CONSTRUCTION STRIPING:
FOR MILLED SURFACE DURING PAVEMENT REPAIRS

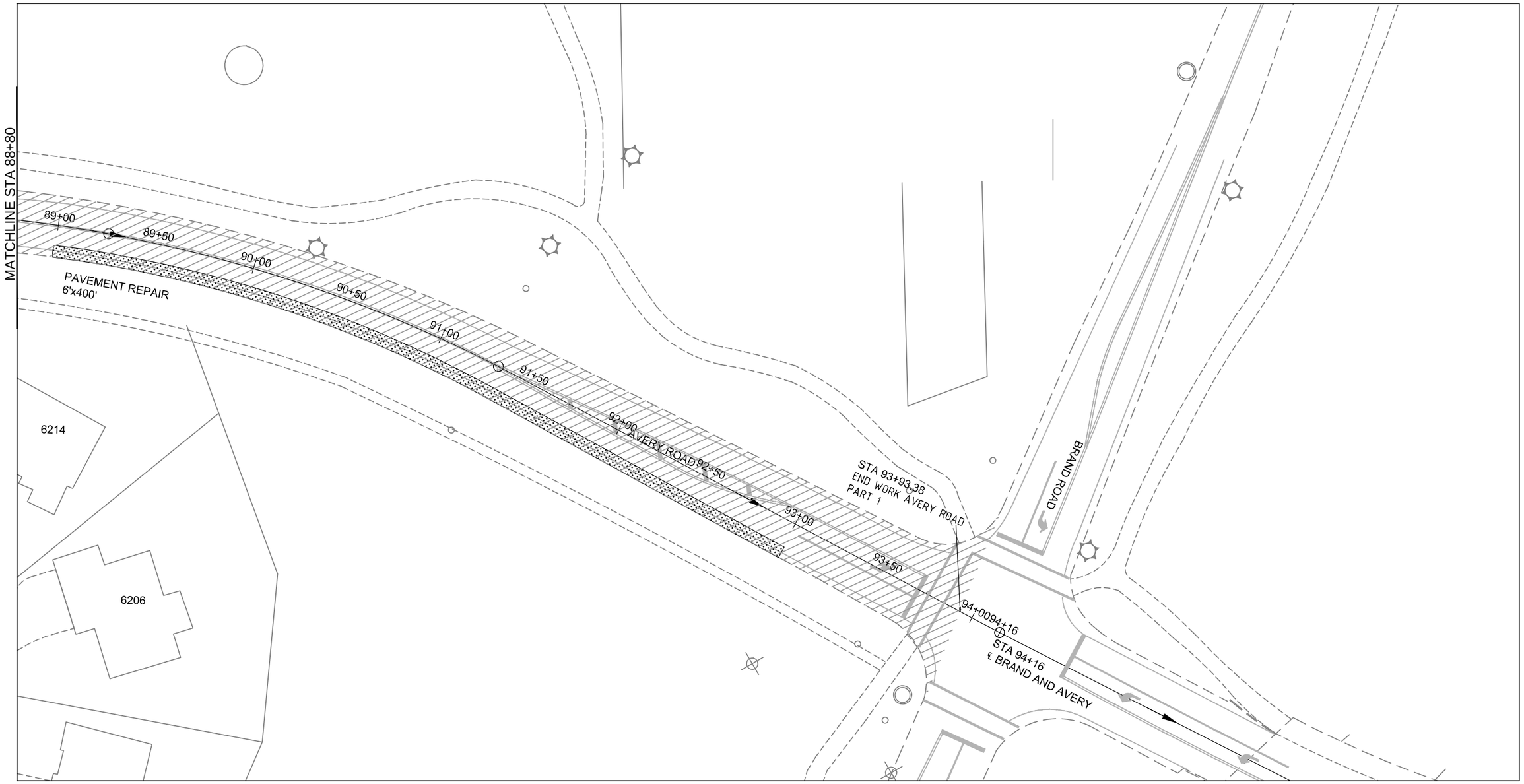
TO FOLLOW PROPOSED STRIPING LAYOUT:
STOP BAR LOCATED AT AVERY
TURN ARROWS: AVERY RD, WYNFORD DR., JACANA DRIVE

TOPSOIL, SEED/MULCH BERM:
1.5' (+/-) WIDE ALONG AVERY ROAD AS DIRECTED FOLLOWING PAVING WORK

1.5" PAVEMENT PLANING
TRACKLESS TACK COAT (.1 GAL/SY)
1.5" 441 ASPHALTIC CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
- PAVEMENT REPAIRS TO FOLLOW MAINLINE PLANING AND PRIOR TO OVERLAY

TOPSOIL, SEED/MULCH BERM: 1.5' (+/-) WIDE ALONG AVERY ROAD FOLLOWING PAVING WORK



N

SCALE IN FEET
0 25' 50'

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY AND CONCRETE WORK

15-001-CIP

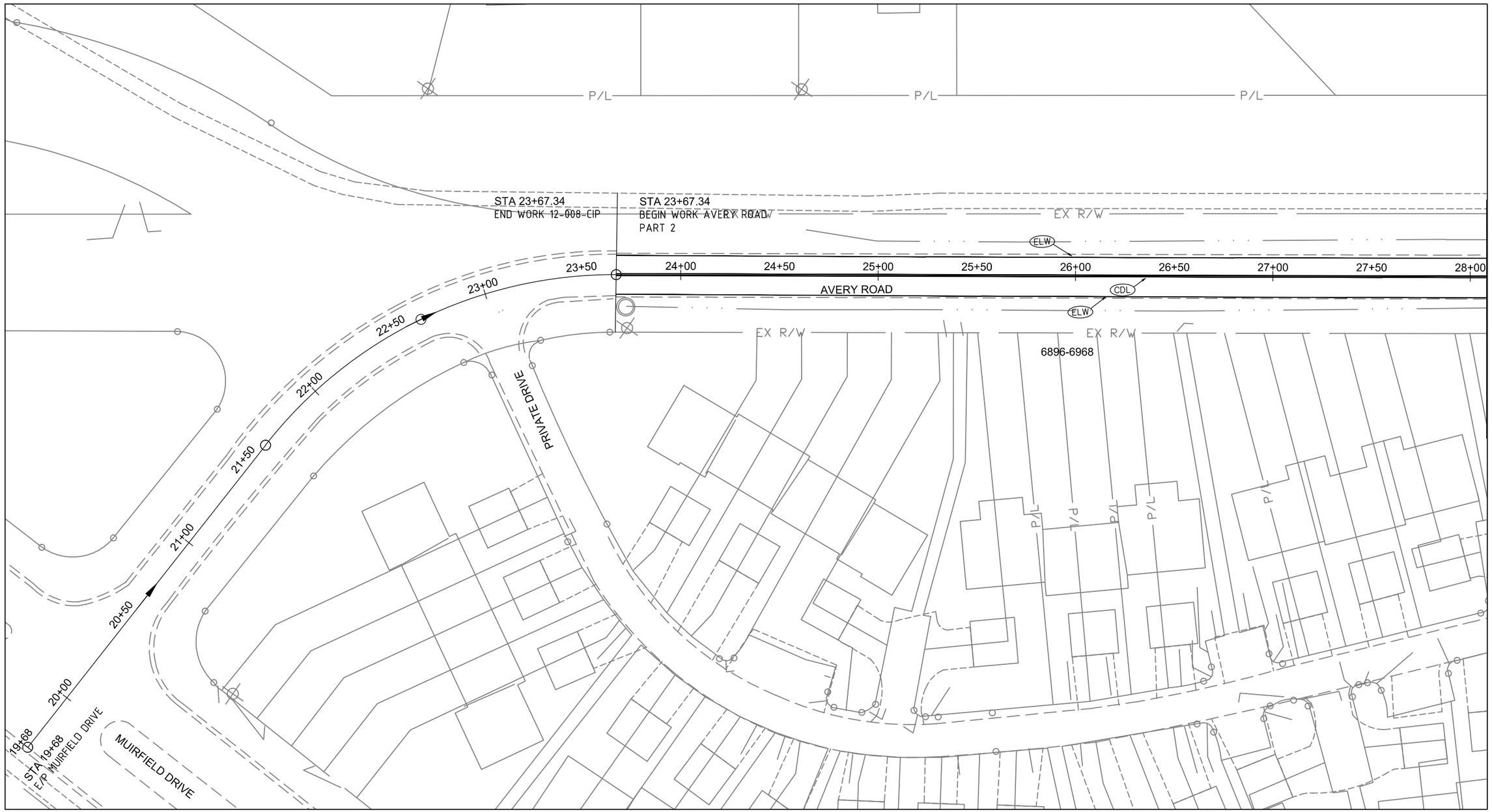
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)



N

SCALE IN FEET 0 25' 50'

DRAWN BY: DAL

REVISED NONE

AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

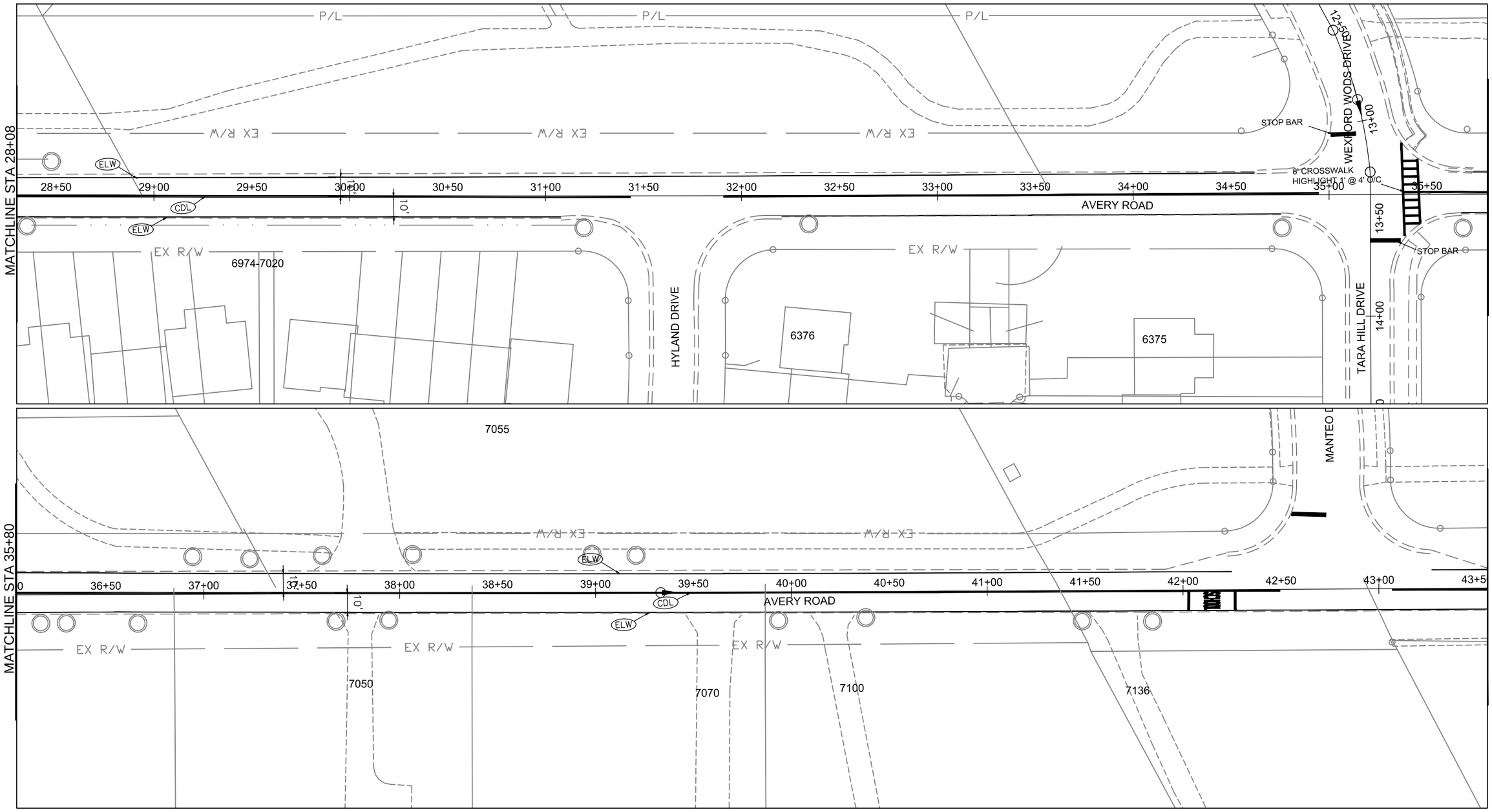
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)



DRAWN BY: DAL

REVISED NONE

SCALE IN FEET 0 25' 50'

AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

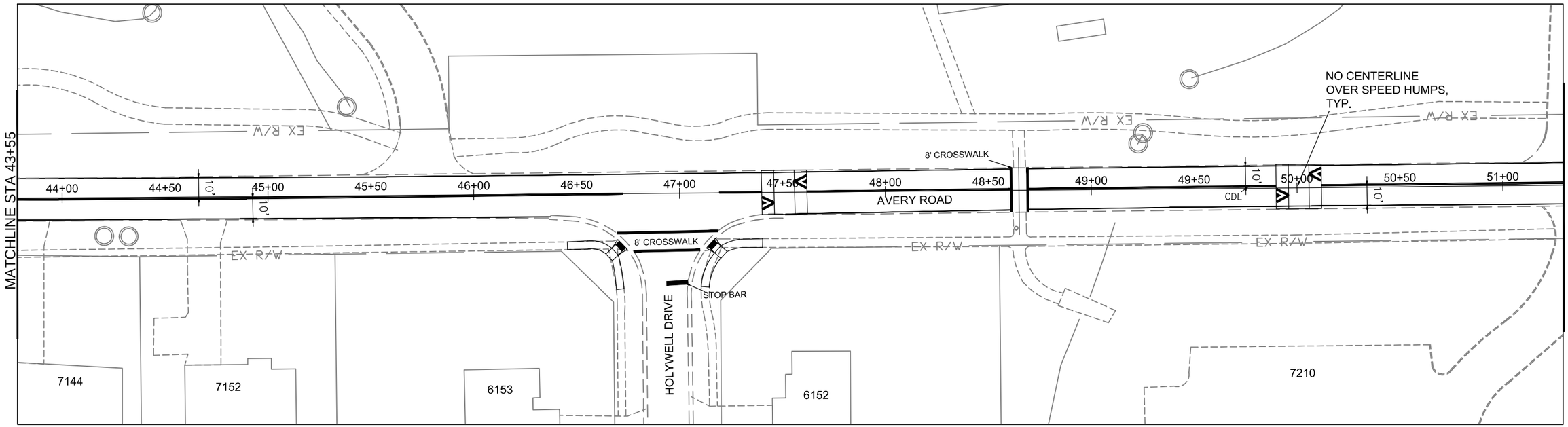
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

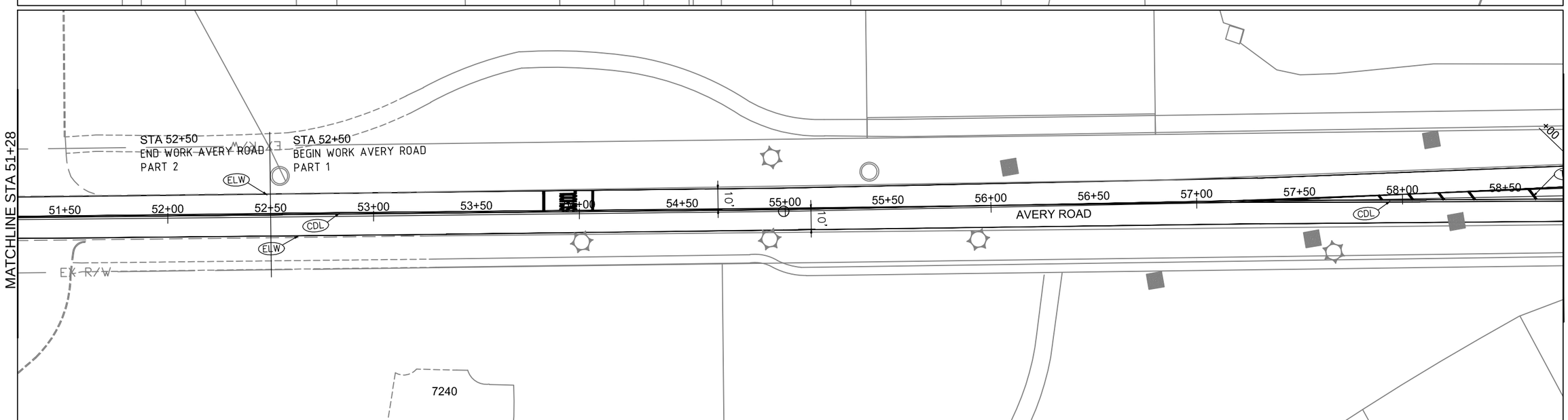
ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)





N

SCALE IN FEET 0 25' 50'

DRAWN BY: DAL

REVISED NONE

AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

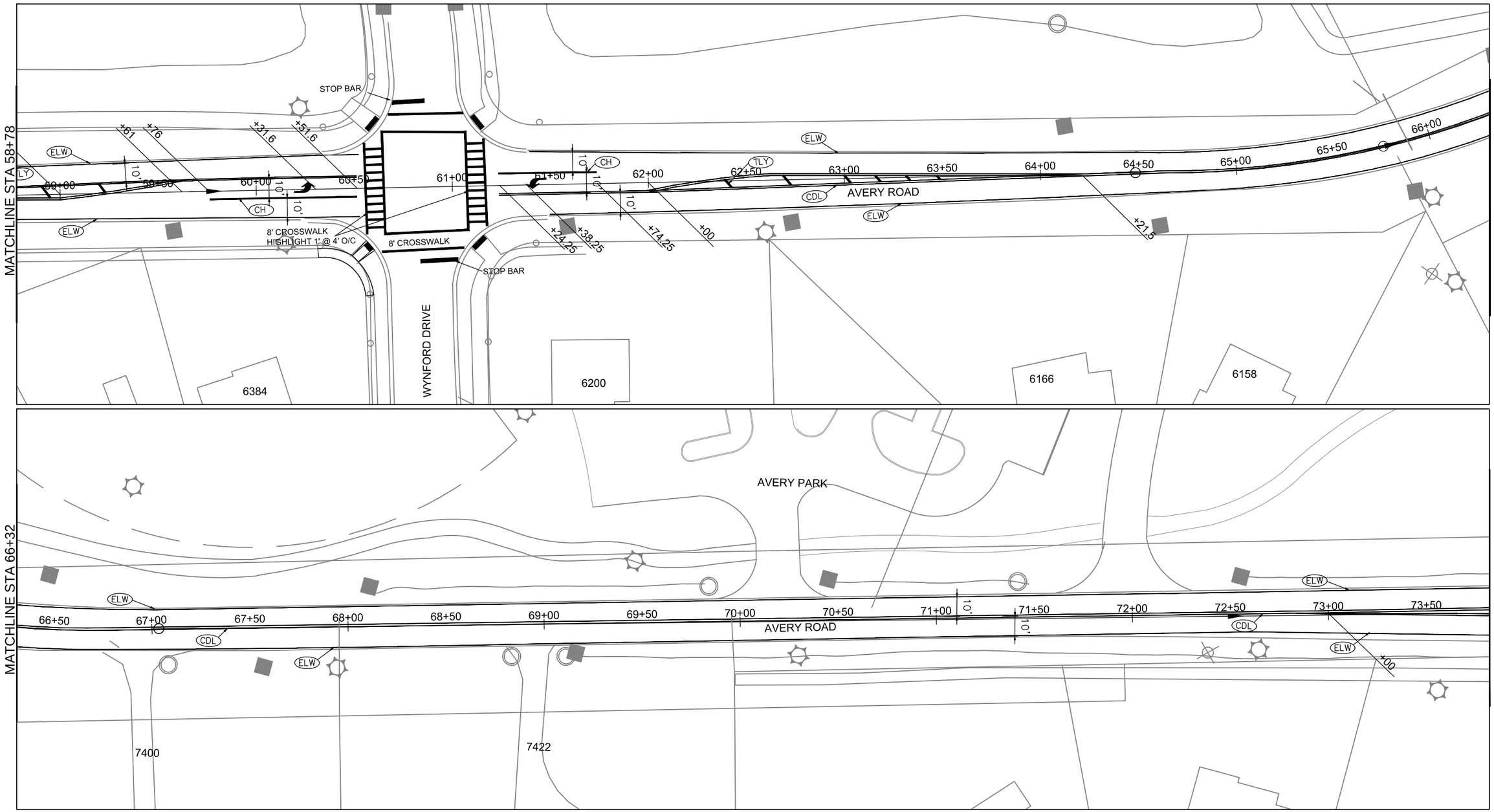
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)



N

SCALE IN FEET 0 25' 50'

DRAWN BY: DAL

REVISED NONE

AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

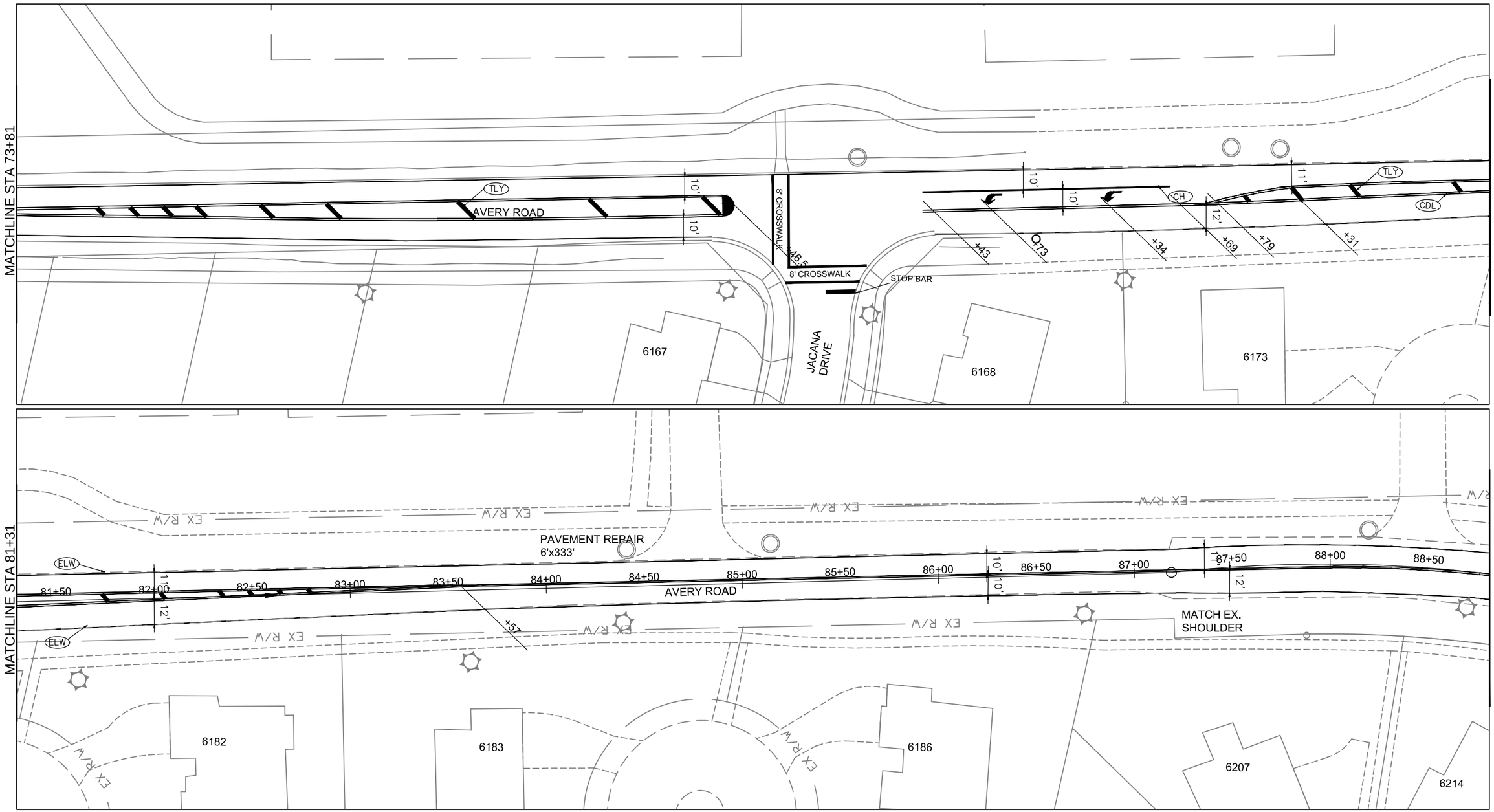
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)



DRAWN BY: DAL

REVISED NONE

SCALE IN FEET 0 25' 50'

AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

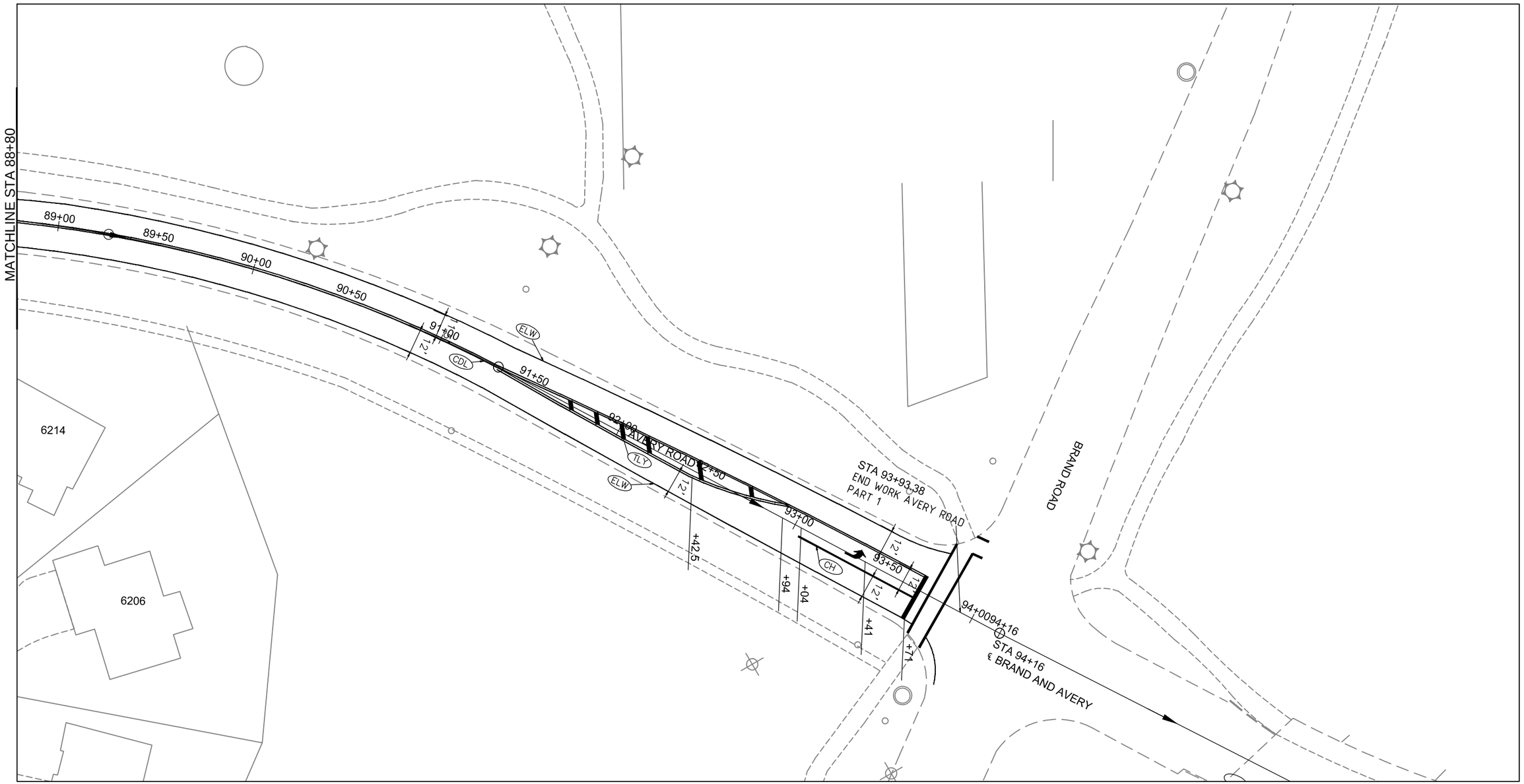
CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE

ELY ITEM 644 EDGE LINE YELLOW

CW ITEM 644 CROSSWALK LINE

TLY ITEM 644 24" TRANSVERSE LINE (YELLOW)



SCALE IN FEET 0 25' 50'

DRAWN BY: DAL

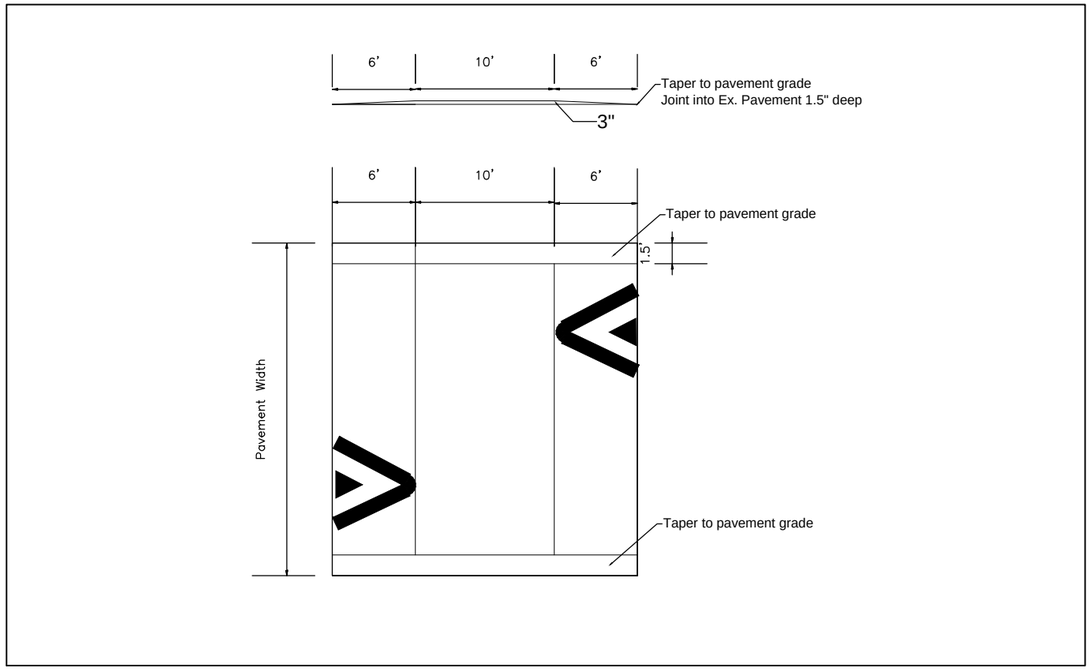
REVISED NONE

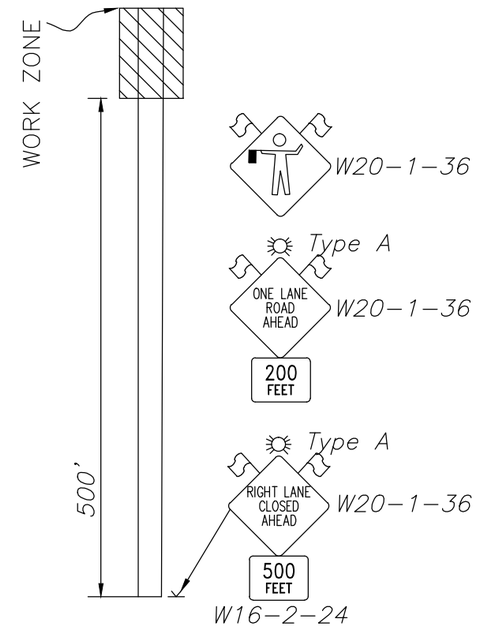
AVERY ROAD
TRAFFIC AND STRIPING

15-001-CIP

Item Details

Item	Description	Quantity	Unit
Special	Seminole Speed Hump, 22FT	946	SF

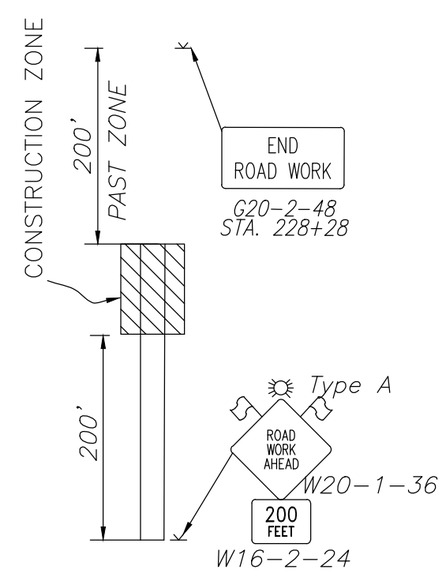




ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)



ADVANCE WARNING SIGNS FOR ROAD WORK

(Typical Both Directions)

NOTE:
WORK HOURS FOR AVERY ROAD ARE BETWEEN 9 A.M. AND 5 P.M MONDAY THROUGH FRIDAY, NO WEEKEND HOURS DUE TO HEAVY TRAFFIC AT AVERY PARK.

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
CONSTRUCTION WARNING SIGNAGE

15-001-CIP

	AVERY ROAD ESTIMATED QUANTITIES			STA 52+50 - 93+93.38	STA 23+67.34 - 52+50
ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	PART 1 QUANTITY	PART 2 QUANTITY
202	Asphalt Pavement Removed and Disposed of, A.P.P.	SY	196	196	0
202	Concrete Removed & Disposed of, A.P.P.	SY	72	24	48
202	Curb / Curb and Gutter Removed / Disposed of, A.P.P.	LF	215	45	170
203	Excavation, A.P.P.	CY	196	196	0
204	Subgrade Compaction	SY	570	570	0
253	Pavement Repair, 6" A.P.P.	SY	3080	1880	1200
254	Pavement Planing, 1.5", A.P.P.	SY	20724	13725.5	6998.5
301	Asphalt Concrete Base	TN	90	90	0
304	Aggregate Base	CY	90	90	0
407	Tack Coat	GAL	2075	1375	700
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	52	52	0
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	1834	1234	600
608	4" Conc. Walk w/ Agg. Base, A.P.P.	SF	492	158	334
608	Curb Ramp, 6" Conc. w/Agg. Base, A.P.P.	SF	112	44	68
609	Combination Curb/Gutter, A.P.P.	LF	215	45	170
614	Work Zone Striping, Double Centerline, Class 1, 642 Paint	MI	1.6	1.04	0.56
614	Work Zone Striping, Edge Line, Class 1, 642 Paint	MI	2.8	1.66	1.14
614	Work Zone Striping, Channelizing Line, Class 1, 642 Paint	LF	316	316	0
614	Work Zone Striping, Arrow, Class 1, 642 Paint	EA	4	4	0
614	Work Zone Striping, Stop Bar, Class 1, 642 Paint	LF	28	28	0
614	Flagger - [Dedicated Flagger]	HR	140	80	60
644	4" Edge Line (white)	MILE	2.8	1.66	1.14
644	Bullnose	EA	1	1	0
644	Center Line- Double (Yellow, Solid or Dashed)	MILE	1.6	1.04	0.56
644	Crosswalk Line, 12"	LF	1147	820	327
644	Channelizing Line, 8"	LF	316	316	0
644	24" Transverse	LF	320	320	0
644	Stop Bar, 24"	LF	140	75	65
644	Lane Arrow, 72"	EA	6	6	0
644	School Symbol	EA	2	1	1
647	Chevron Speed Hump Marking	EA	4	0	4
653	Pulverized Topsoil, A.P.P.	CY	142	92	50
659	Vegetation (Seed/Mulch), A.P.P.	SY	2400	1537	863
Special	Seminol Speed Hump, 22Ft.	SF	946	0	946
Special	Detectable Warning Panel	SF	72	56	16

NOTE:
WORK ON AVERY ROAD WAS DIVIDED INTO 2 PARTS FOR PLANNING PURPOSES
PART 1 IN THE NORTHERN SECTION (STA. 52+50 TO STA 93.93.38) AND PART 2 IS THE SOUTHERN SECTION (STA 23+67.34 TO STA 52+50)
THE PROPOSED WORK IN PART 1 AND PART 2 ON AVERY ROAD ARE INTENDED TO BE COMPLETED AT THE SAME TIME.

DRAWN BY: DAL
REVISED NONE

AVERY ROAD
ROADWAY DETAILS, ESTIMATED CONSTRUCTION QUANTITIES

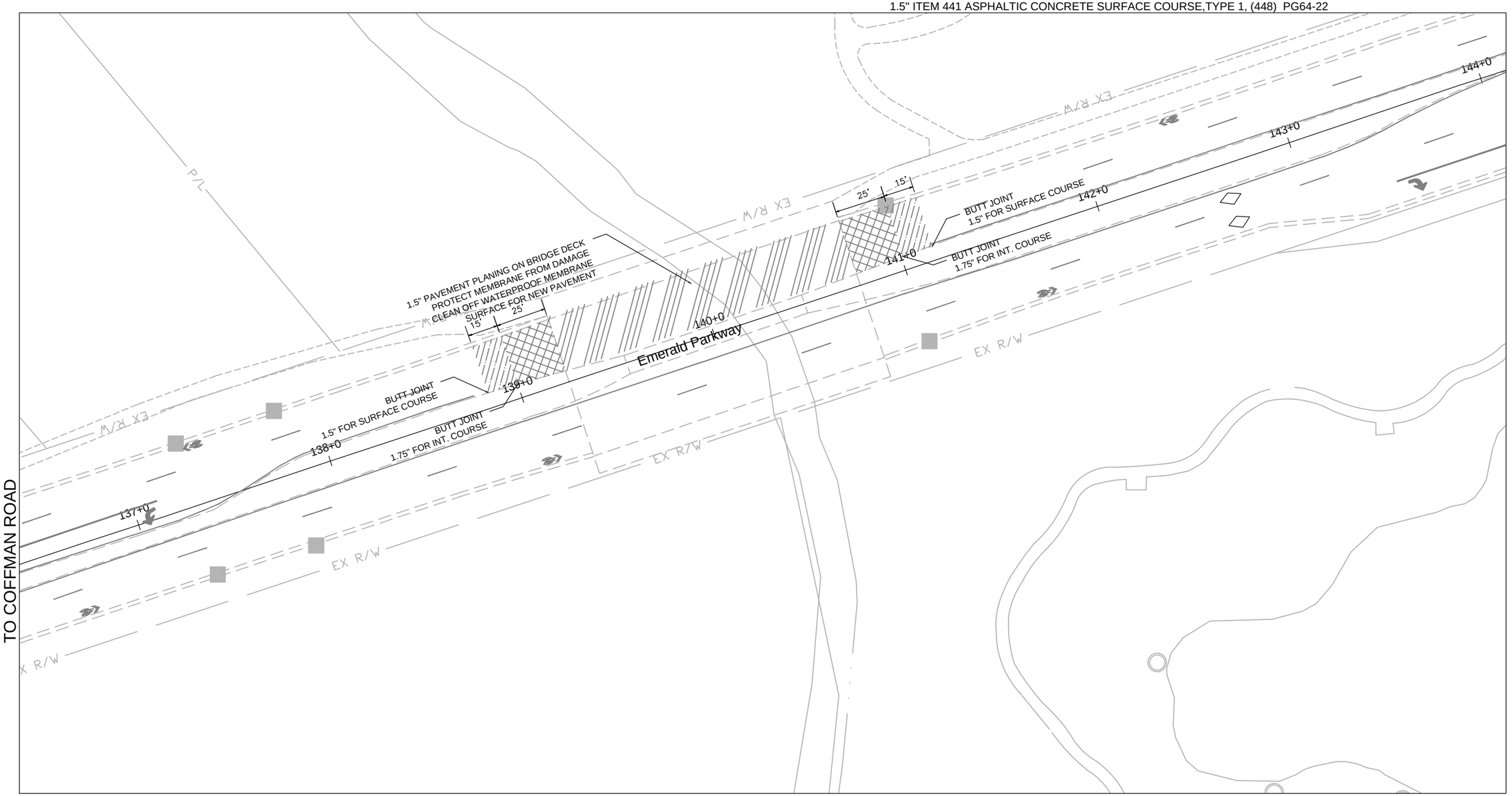
15-001-CIP

PAVEMENT REPAIRS

ITEM 254 PAVEMENT PLANING, 1.5"
TRACKLESS TACK COAT (0.1 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22

ITEM 254 PAVEMENT PLANING VARIABLE DEPTH(1.5" TO 3.25")
TRACKLESS TACK COAT (0.1 GAL / SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22,(448
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22

ITEM 254 PAVEMENT PLANING 1.5"
TRACKLESS TACK COAT (0.1 GAL / SY)
1.75" ITEM 441 ASPHALTIC CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22,(448
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

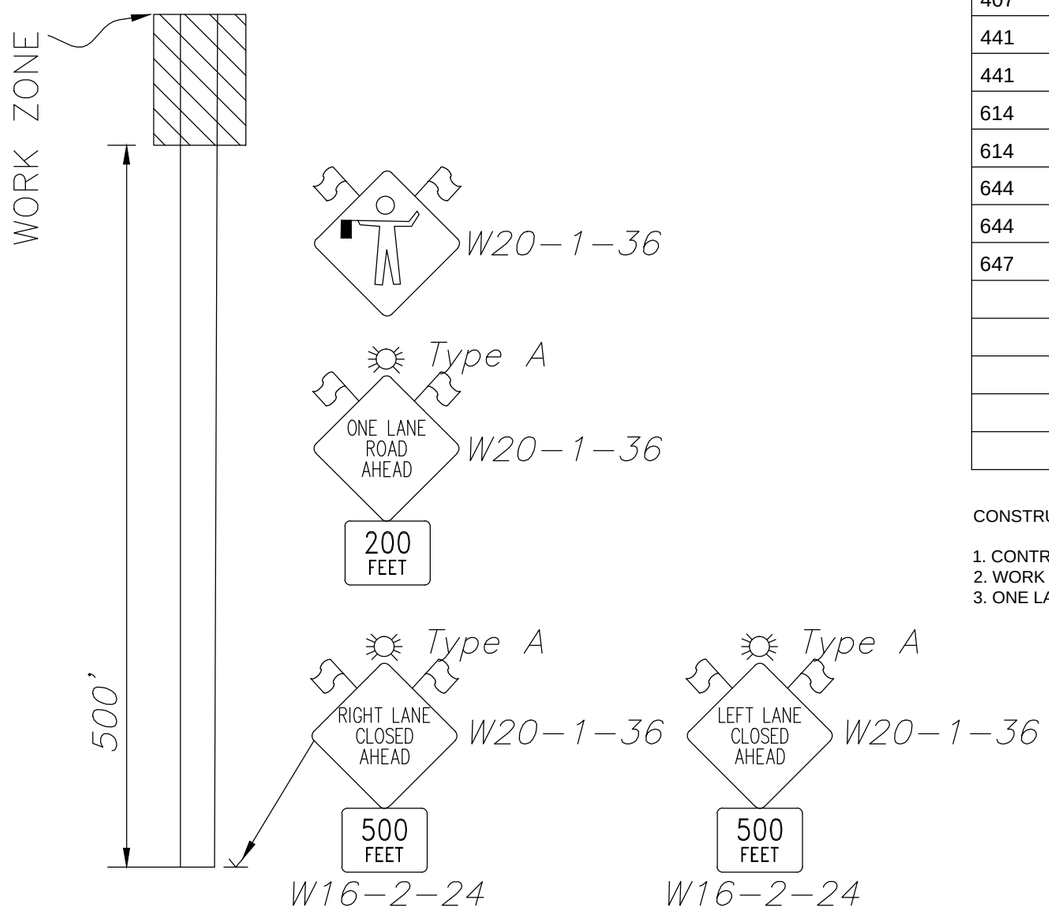
EMERALD PARKWAY
ROADWAY PAVING WORK

15-001-CIP

TO COFFMAN ROAD

TO DUBLIN ROAD

63	2 / 3	**15-001-CIP**	EMERALD PARKWAY ROADWAY PAVING WORK	DRAWN BY: DAL REVISED NONE	0 25 50 SCALE IN FEET



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

	EMERALD PARKWAY ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
254	Pavement Planing, Variable Depth (1.5" - 3.25")	SY	144
254	Pavement Planing, 1.5", (Pavement Repair), A.P.P.	SY	560
407	NTSS-1HM TracklessTack Coat	GAL	95
441	Asphaltic Concrete Intermediate Course, Type-2, (448), PG64-22	TN	62
441	Asphaltic Concrete Surface Course, Type-1, (448), PG64-22	TN	60
614	LEO w/ Patrol Car	HR	9
614	Flagger - [Dedicated Flagger]	HR	9
644	4" Edge Line (Yellow)	MILE	0.05
644	4" Lane Line (white)	MILE	0.05
647	Share the Road Symbol	EA	1

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE AT LEAST 2 WORKING DAYS NOTICE PRIOR TO COMMENCEMENT OF WORK
2. WORK HOURS ARE BETWEEN 9 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY
3. ONE LANE TRAFFIC SHALL BE MAINTAINED

N

0 25 50
SCALE IN FEET

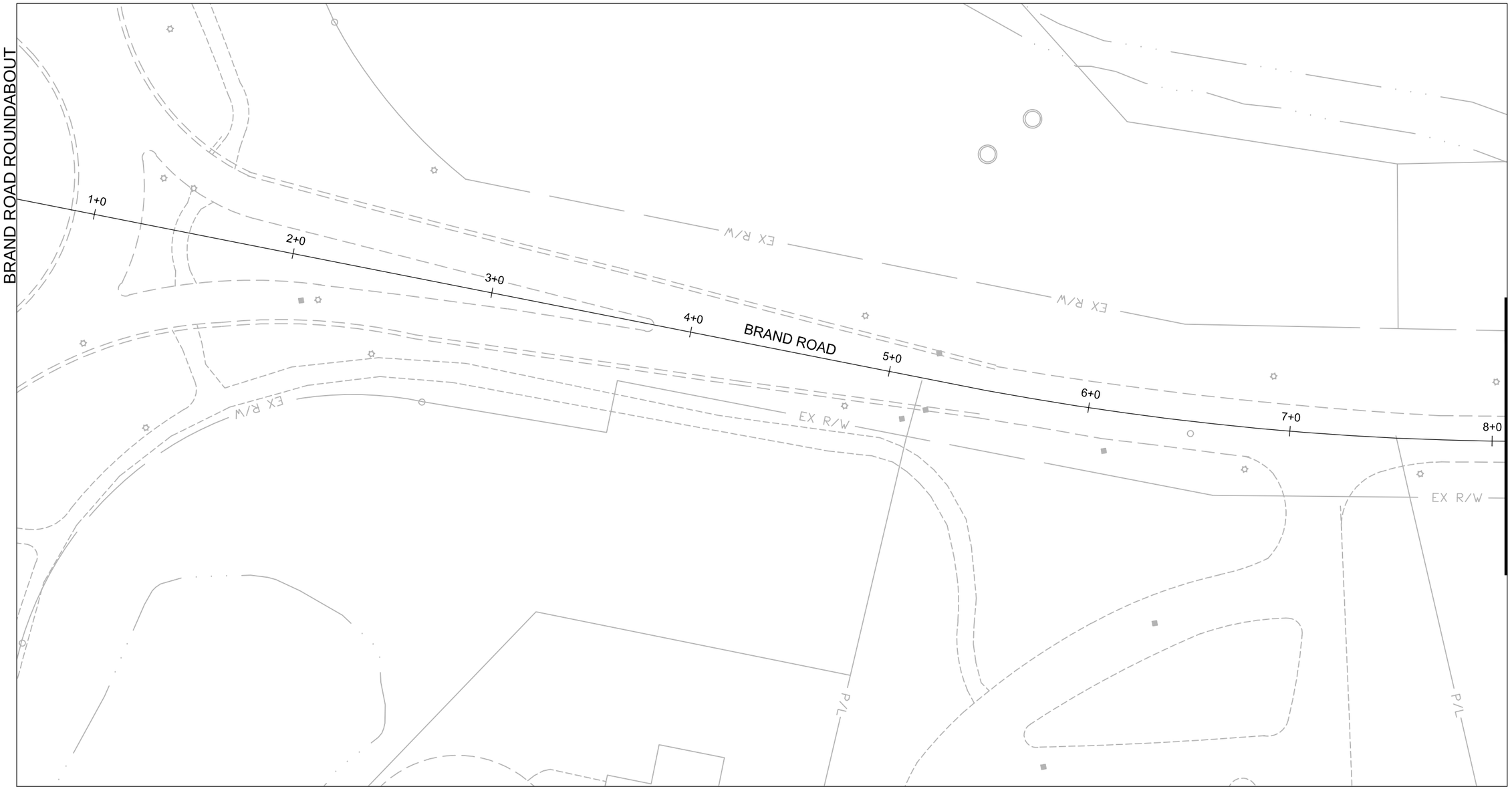
DRAWN BY: DAL
REVISED NONE

EMERALD PARKWAY
ESTIMATED CONSTRUCTION QUNATITIES / CONSTRUCTION NOTES

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

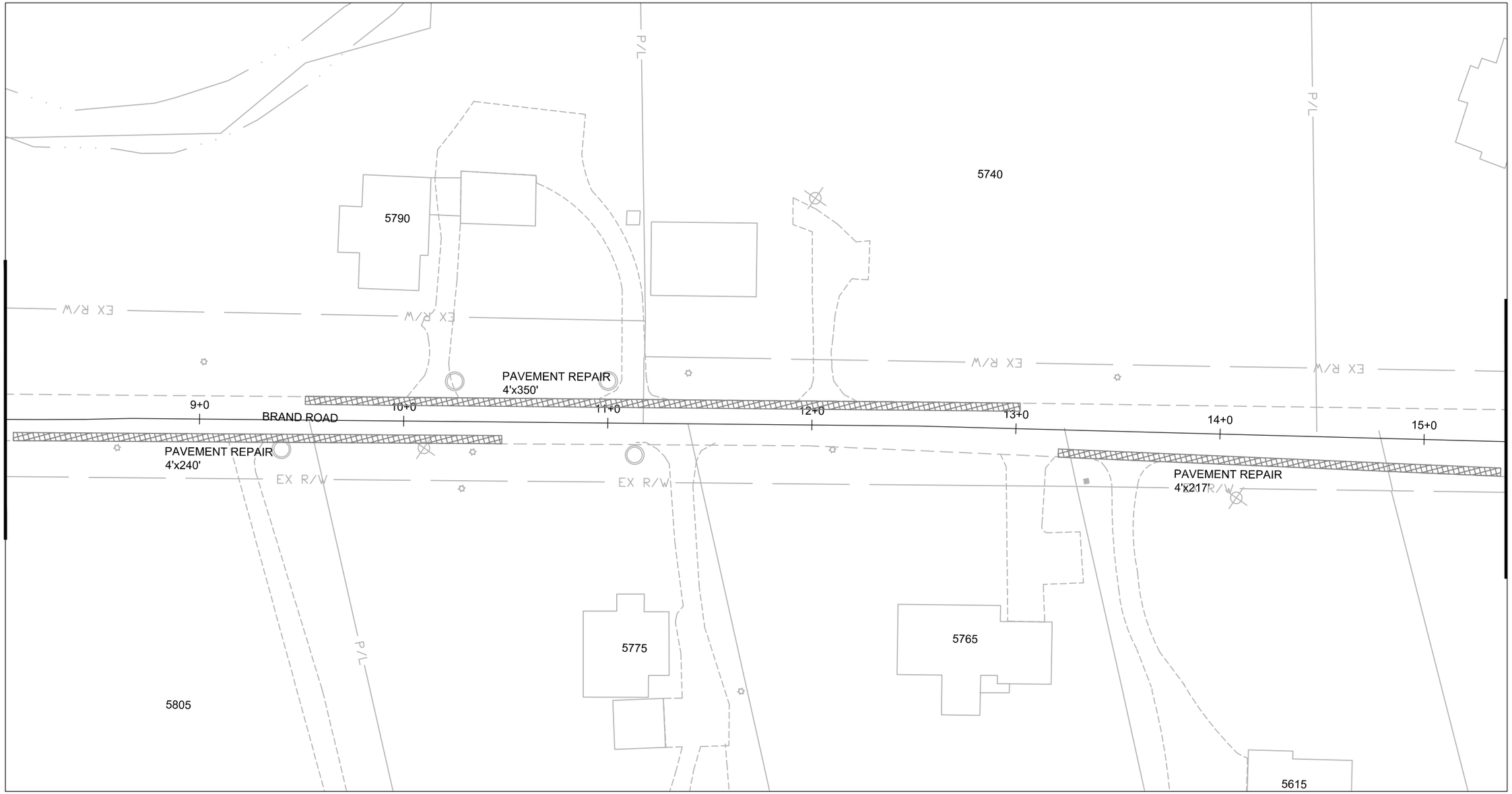
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

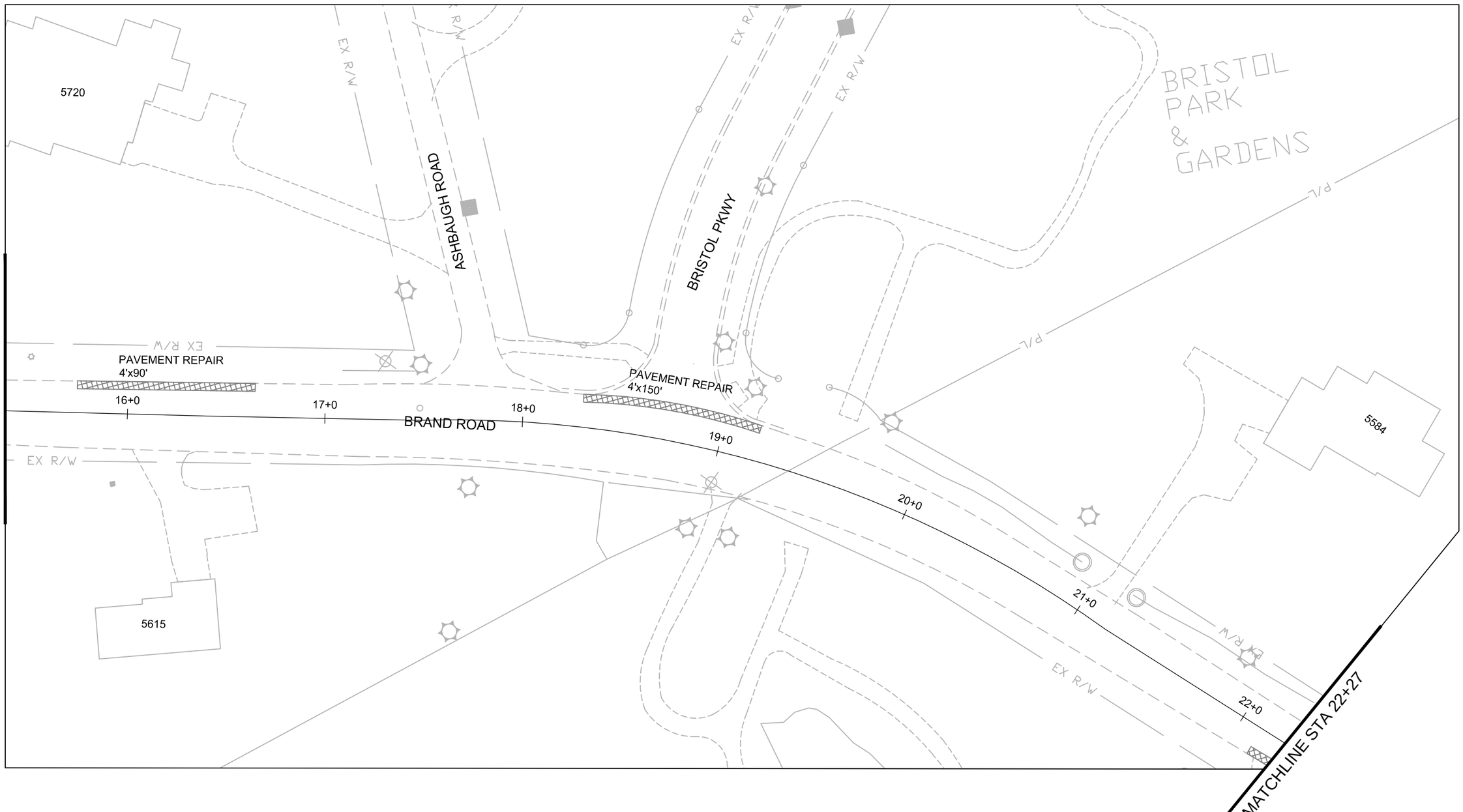
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



SCALE IN FEET 0 25 50

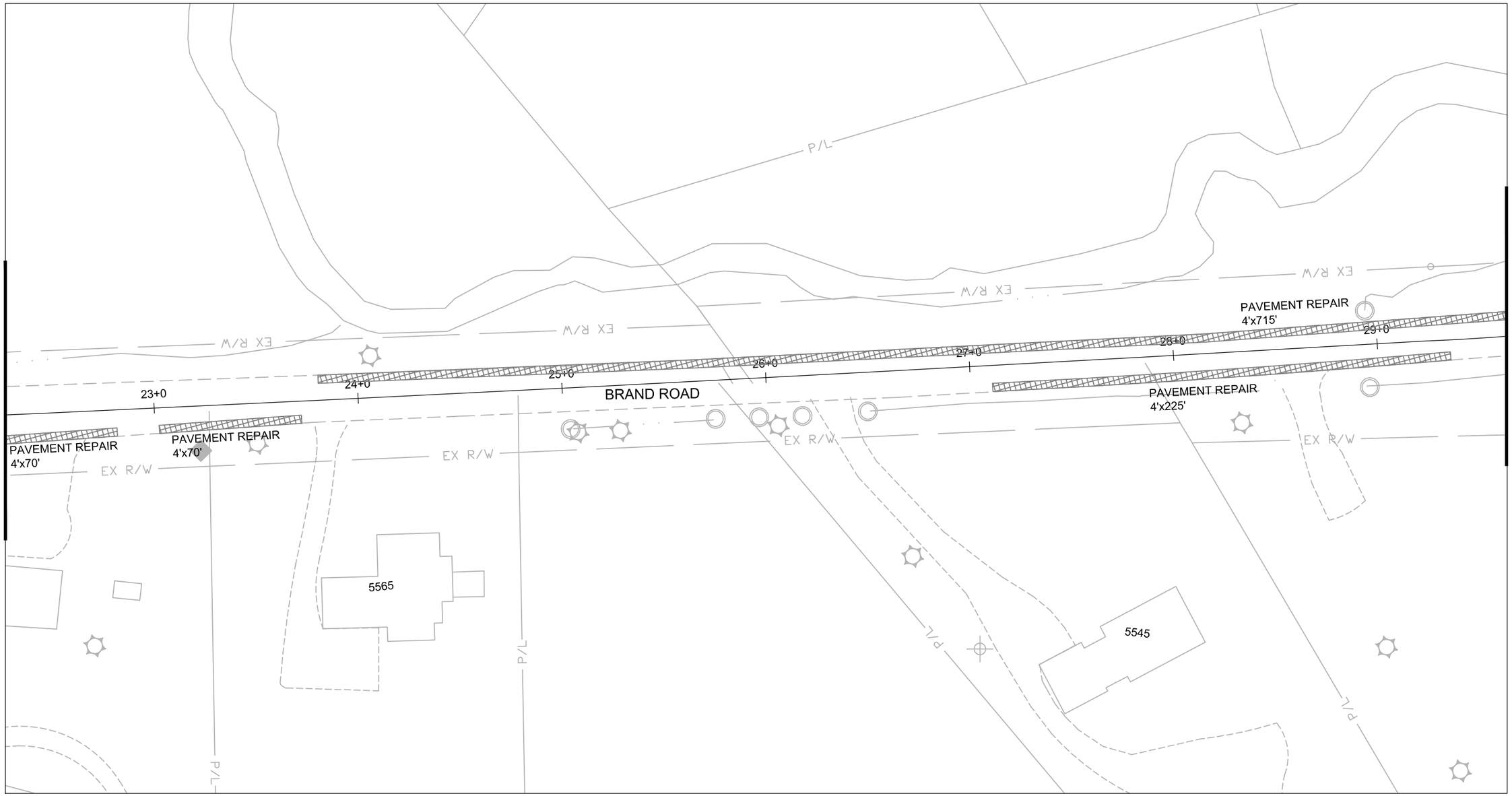
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

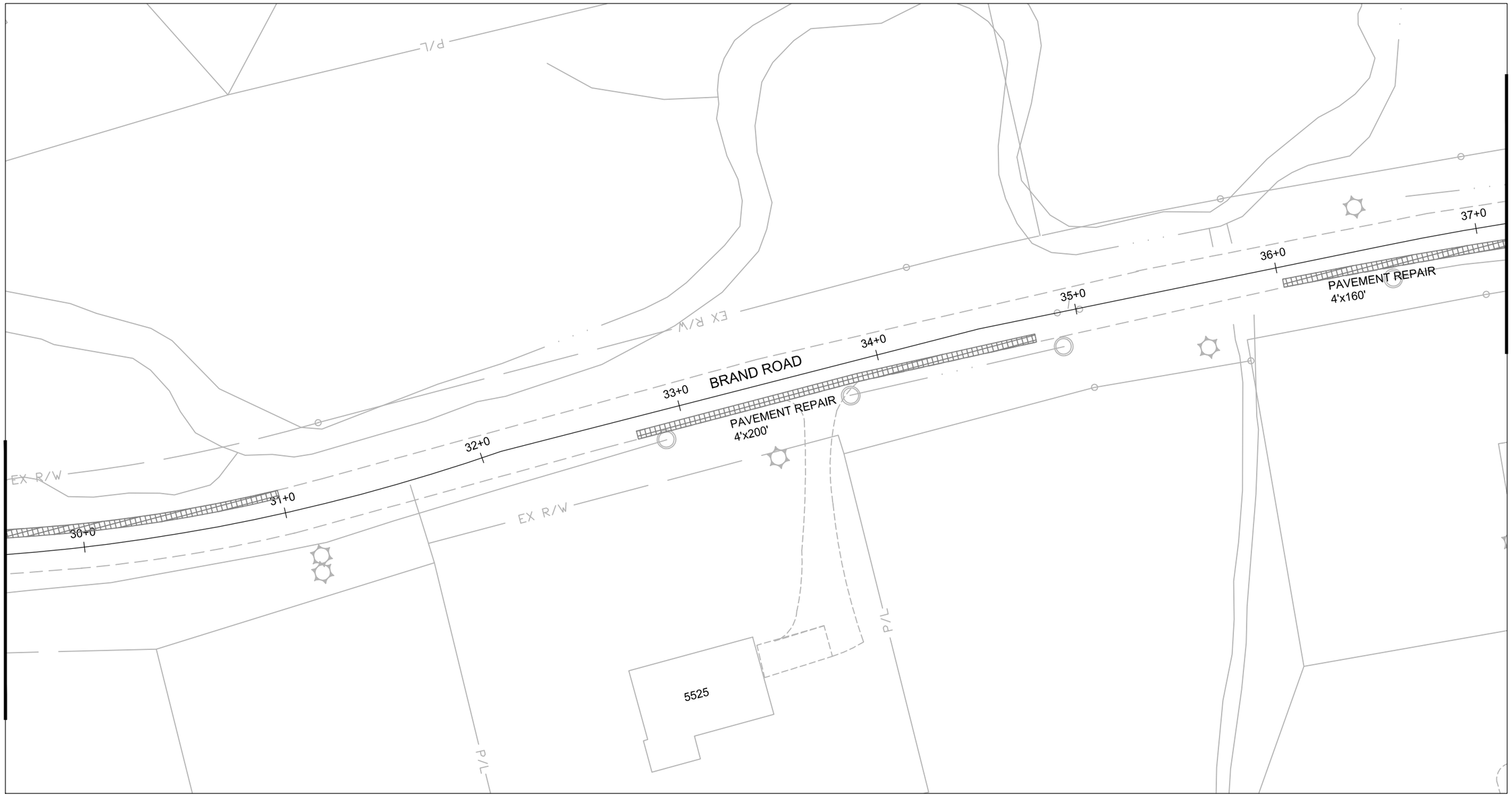
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

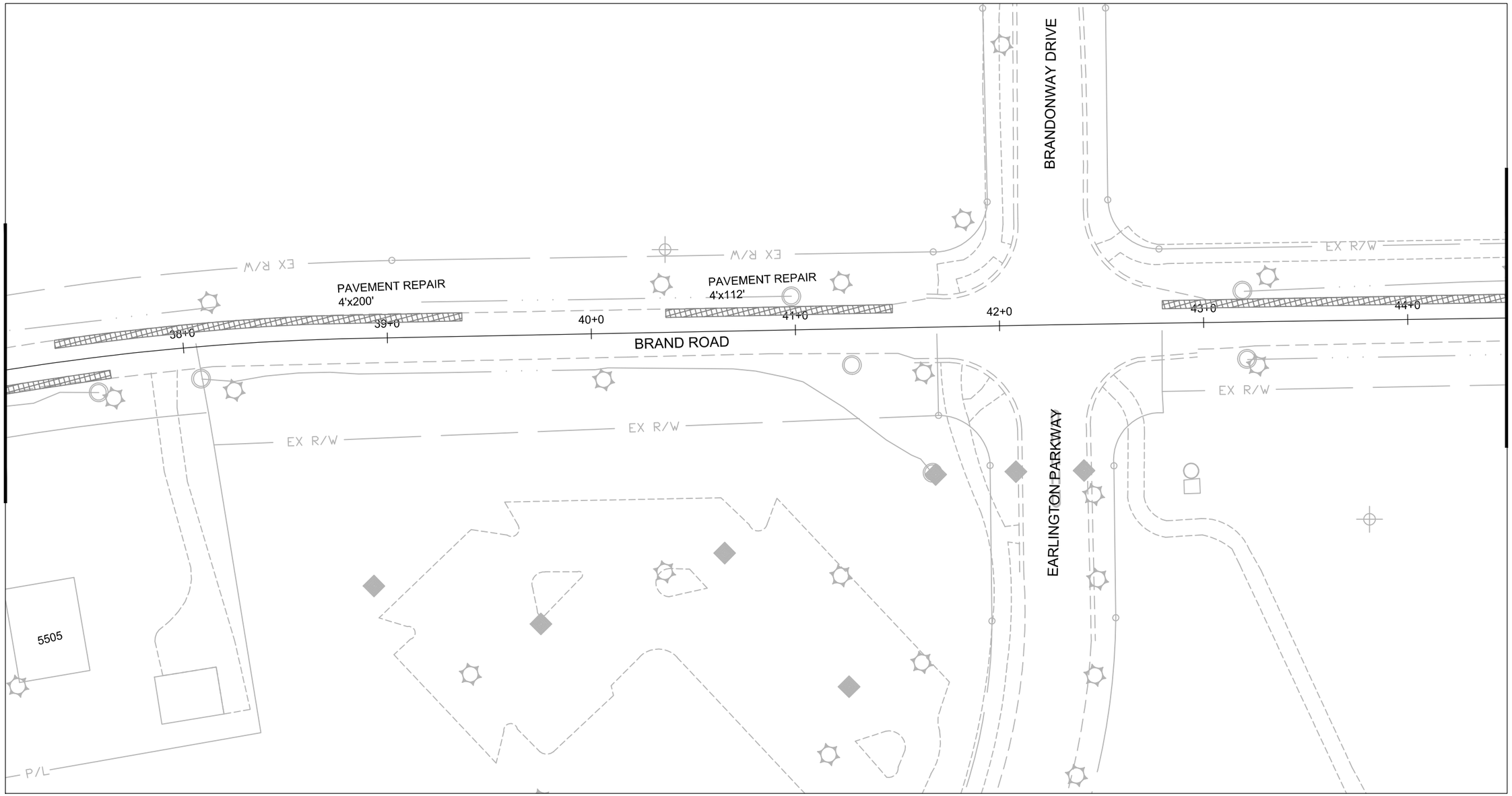
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

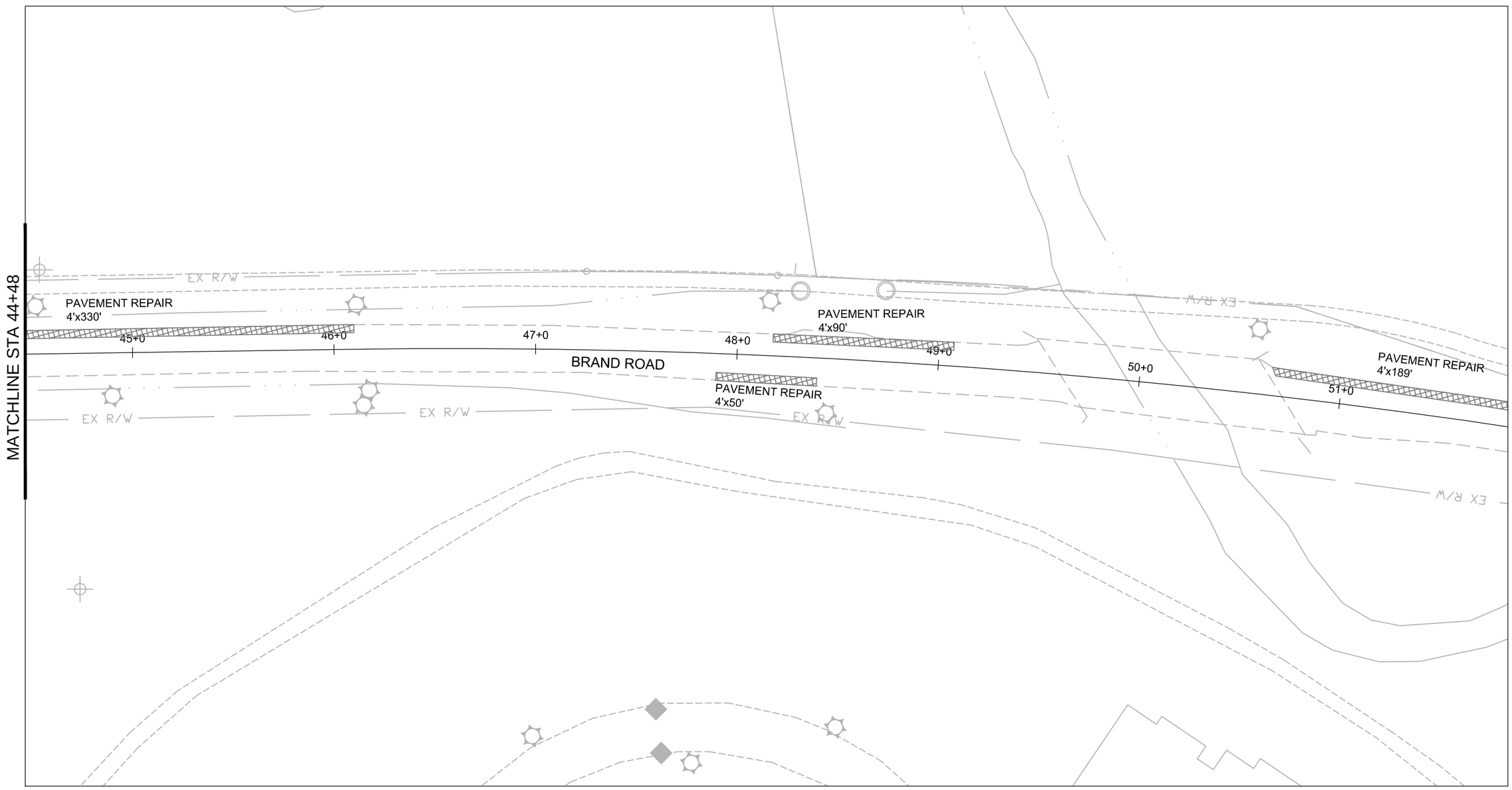
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



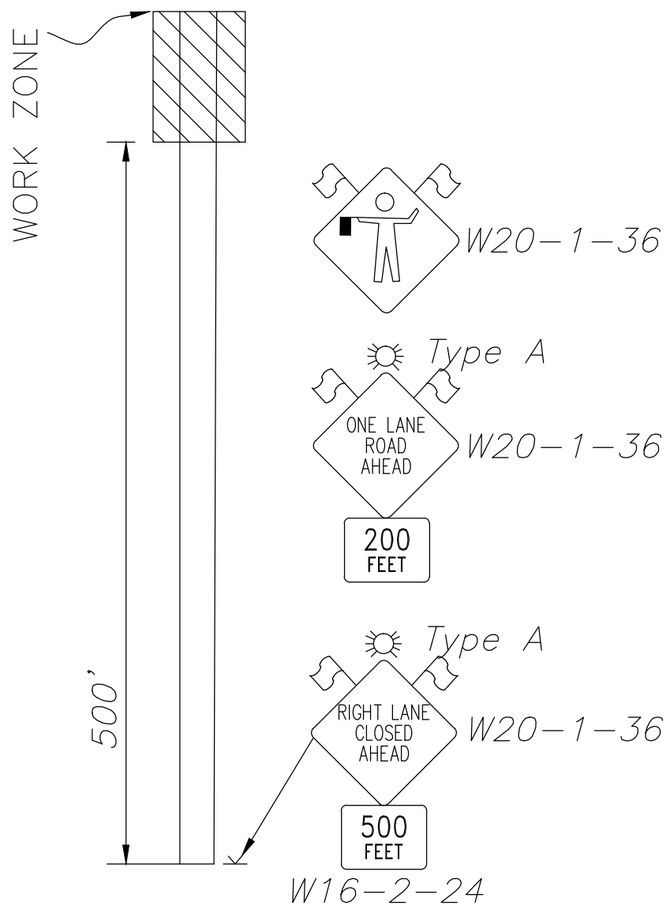
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)

	BRAND ROAD ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
253	Pavement Repair, 6" A.P.P.	SY	1540
614	LEO w/ Patrol Car	HR	32
614	Flagger - [Dedicated Flagger]	HR	64

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE AT LEAST 2 WORKING DAYS NOTICE PRIOR TO COMMENCEMENT OF WORK
2. WORK HOURS ARE BETWEEN 9 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY
3. ONE LANE TWO WAY TRAFFIC SHALL BE MAINTAINED
   SEE ODOT SCD MT-97.10

N

0 25 50
SCALE IN FEET

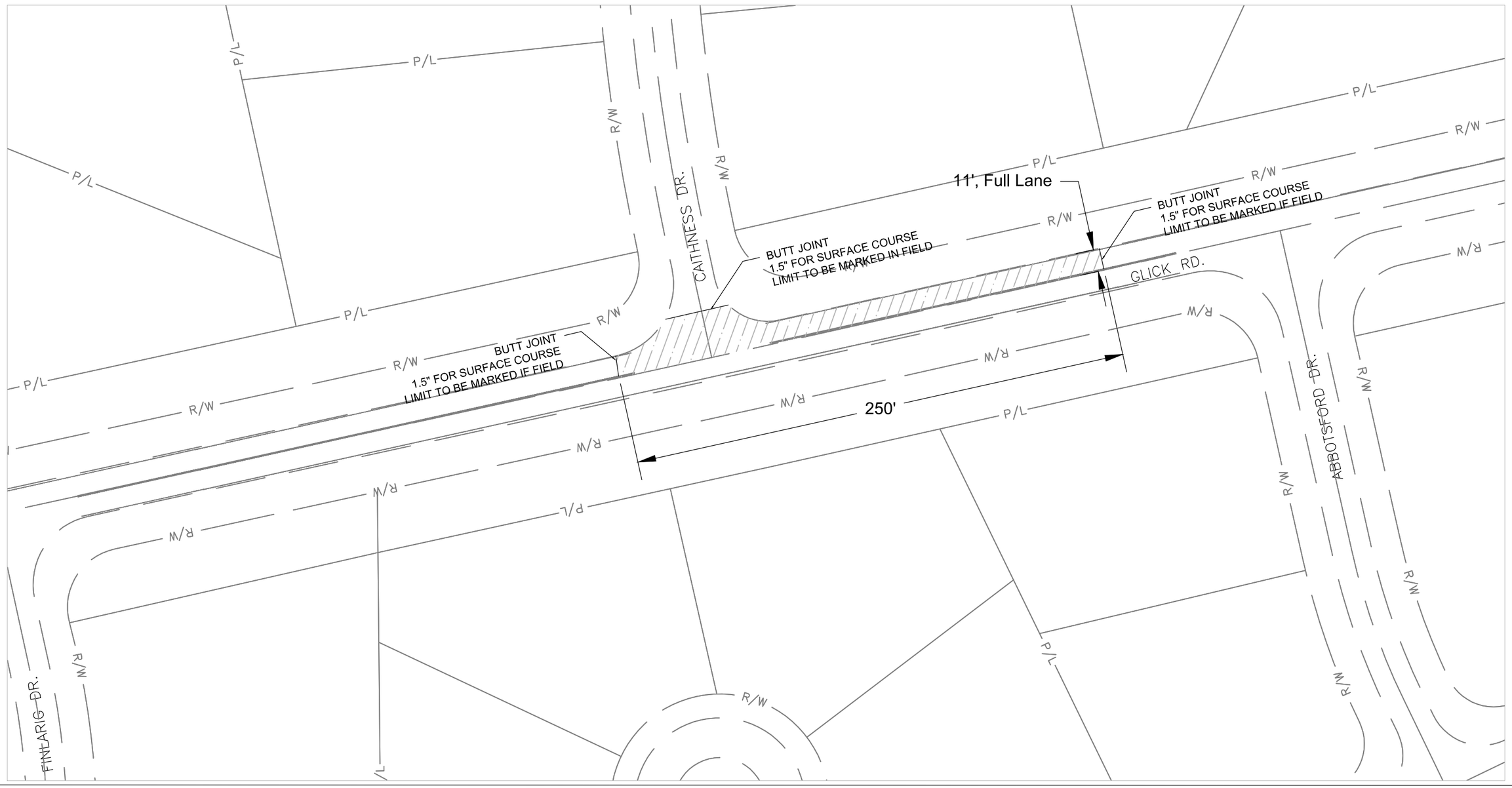
DRAWN BY: DAL
REVISED NONE

BRAND ROAD
ROADWAY PAVING WORK

15-001-CIP

PAVEMENT REPAIRS

ITEM 251 ASPHALT SURFACE PATCH - ROADWAY
ITEM 254 PAVEMENT PLANING, 1.5"
TRACKLESS TACK COAT (0.1 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

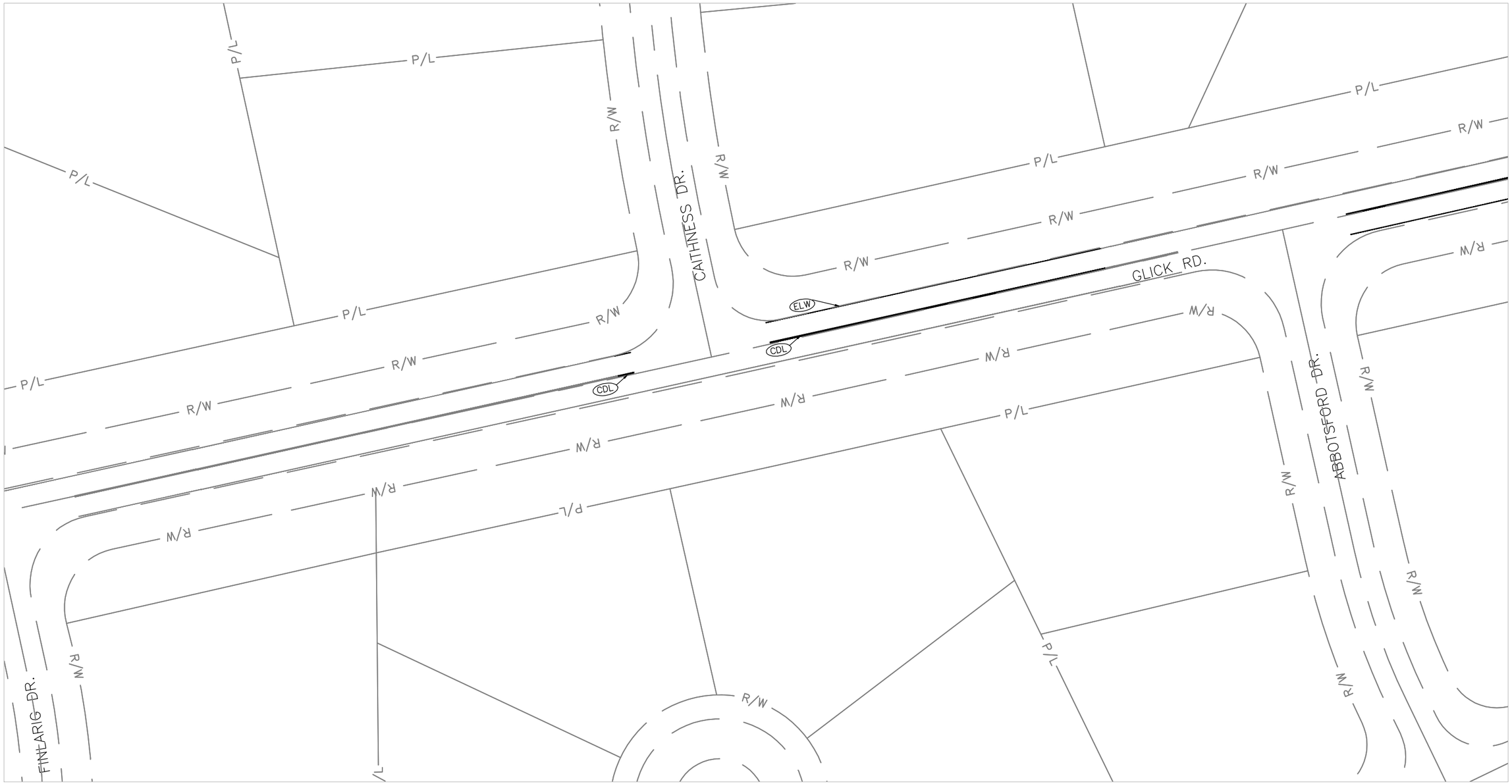
DRAWN BY: DAL
REVISED 4/18/14

GLICK ROAD
ROADWAY PATCHING

15-001-CIP

CDL ITEM 644 CENTERLINE DOUBLE YELLOW

ELW ITEM 644 EDGE LINE WHITE



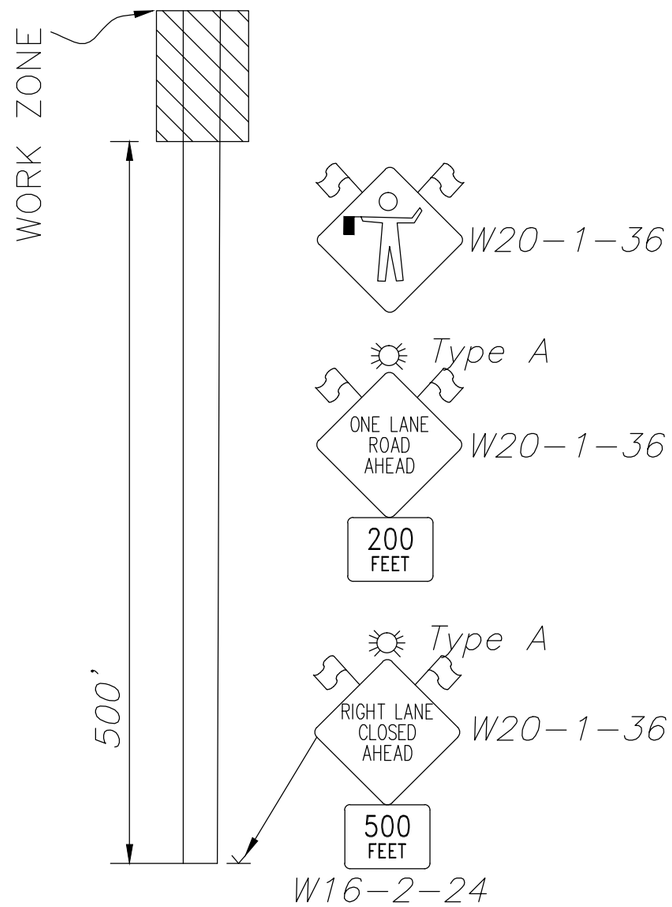
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED 4/18/14

GLICK ROAD
TRAFFIC AND STRIPING

15-001-CIP



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)

	GLICK ROAD ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
251	Asphalt Surface Patch - Roadway, 1.5"	SY	372
614	Flagger - [Dedicated Flagger]	HR	9
644	Center Line - Double-(Yellow, Solid or Dashed)	MI	0.05
644	4" Edge Line (White)	MI	0.05

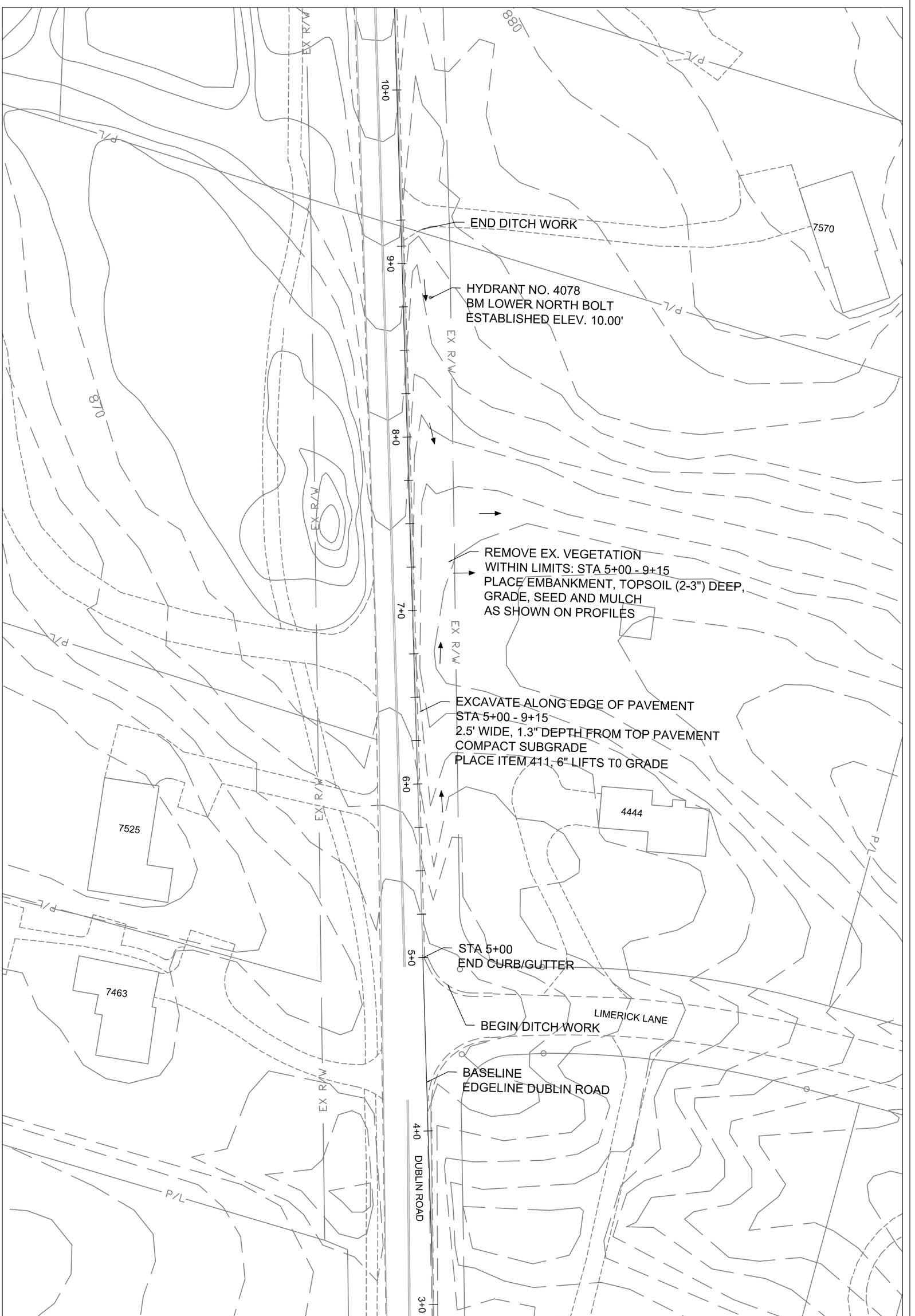
CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE AT LEAST 2 WORKING DAYS NOTICE PRIOR TO COMMENCEMENT OF WORK
2. WORK HOURS ARE BETWEEN 9 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY
3. ONE LANE TWO WAY TRAFFIC SHALL BE MAINTAINED
   SEE ODOT SCD MT-97.10

DRAWN BY: DAL
REVISED 4/18/14

GLICK ROAD
ESTIMATED QUANTITES AND CONSTRUCTION NOTES

15-001-CIP



76	1 / 8	**15-001-CIP**	DUBLIN ROAD AT LIMERICK LANE ROADSIDE IMPROVEMENTS	DRAWN BY: DAL REVISED NONE	0 25 50 SCALE IN FEET

	DUBLIN ROAD AT LIMERICK LANE			BENCHMARK:	LOWER NORTH BOLT HYDRANT NO. 4078					
	CROSS SECTION ELEVATIONS			ELEVATION:	10.00	FT				
						ADJUSTMENT FROM				
STATION	OFFSET RT. (FT)	EXISTING ELEVATION	PROPOSED ELEVATION	PROPOSED CUT/FILL	EXISTING SLOPE	PREV. OFFSET	PROPOSED SLOPE	(CUT) / FILL (FT)	TOE SLOPE	NOTES
5+00	0	11.25	11.25	0.00				0.00		
5+00	2.5	11.15	11.15	0.00	-4.00%	-4.00%	-4.00%	0.00		
5+00	5	11.05	11.075	0.03	-4.00%	-3.00%	-3.00%	0.03		
5+00	10	10.44	10.55	0.11	-12.20%	-10.00%	-10.50%	0.11		
5+00	12	10.2	10.2	0.00	-12.00%		-17.50%	0.00		EDGE CONC. PAD
5+25	0	10.6	10.6	0.00						
5+25	2.5	9.97	10.45	0.48	-25.20%	-6.00%	-6.00%	0.48		
5+25	5	9.34	9.945	0.60	-25.20%	-1.00%	-20.20%	0.60		
5+25	8	8.73	9.1	0.37	-20.33%	-8.00%	-28.17%	0.37		
5+25	10	8.8	8.79	-0.01	3.50%	3.00%	-15.50%	(0.01)	5.64%	
5+25	15	9.05	9.05	0.00	5.00%		5.20%	0.00		
5+50	0	9.74	9.74	0.00						
5+50	2.5	8.77	9.565	0.80	-38.80%	-7.00%	-7.00%	0.80		
5+50	5	7.8	8.82	1.02	-38.80%	2.00%	-29.80%	1.02		
5+50	8	6.96	7.83	0.87	-28.00%	1.00%	-33.00%	0.87		
5+50	10	6.72	7.24	0.52	-12.00%	14.00%	-29.50%	0.52	6.20%	
5+50	15	7.99	7.99	0.00	25.40%		15.00%	0.00		
5+75	0	8.68	8.68	0.00						
5+75	2.5	7.56	8.48	0.92	-44.80%	-8.00%	-8.00%	0.92		
5+75	5	6.44	7.66	1.22	-44.80%	4.00%	-32.80%	1.22		
5+75	8	5.65	6.62	0.97	-26.33%	6.00%	-34.67%	0.97		
5+75	10	5.74	5.95	0.21	4.50%	15.00%	-33.50%	0.21	5.16%	
5+75	15	6.87	6.87	0.00	22.60%		18.40%	0.00		
6+00	0	7.39	7.39	0.00						
6+00	2.5	6.335	7.19	0.86	-42.20%	-8.00%	-8.00%	0.86		
6+00	5	5.28	6.41	1.13	-42.20%	3.00%	-31.20%	1.13		
6+00	10	4.27	4.78	0.51	-20.20%	-10.00%	-32.60%	0.51	4.68%	
6+00	15	5.02	5.02	0.00	15.00%		4.80%	0.00		
6+25	0	6.67	6.67	0.00						
6+25	2.5	5.485	6.445	0.96	-47.40%	-9.00%	-9.00%	0.96		
6+25	5	4.3	5.61	1.31	-47.40%	5.00%	-33.40%	1.31		
6+25	10	3.18	3.95	0.77	-22.40%	-7.00%	-33.20%	0.77		
6+25	11	3.1	3.68	0.58	-8.00%	50.00%	-27.00%	0.58	4.40%	
6+25	15	3.3	3.3	0.00	-8.00%		-9.50%	0.00		
6+50	0	6.05	6.05	0.00						
6+50	2.5	4.96	5.85	0.89	-43.60%	-8.00%	-8.00%	0.89		
6+50	5	3.87	5.035	1.17	-43.60%	3.00%	-32.60%	1.17		
6+50	10	2.35	3.42	1.07	-30.40%	-9.00%	-32.30%	1.07	1.04%	
6+50	15	1.62	1.62	0.00	-30.40%		-36.00%	0.00		
6+75	0	5.66	5.66	0.00						
6+75	2.5	4.54	5.41	0.87	-44.80%	-10.00%	-10.00%	0.87		
6+75	5	3.42	4.59	1.17	-44.80%	2.00%	-32.80%	1.17		
6+75	10	1.64	2.92	1.28	-35.60%	-10.00%	-33.40%	1.28	2.00%	
6+75	15	0.95	0.95	0.00	-35.60%		-39.40%	0.00		
7+00	0	5.52	5.52	0.00						
7+00	2.5	4.41	5.2075	0.80	-44.40%	-12.50%	-12.50%	0.80		
7+00	5	3.3	4.385	1.09	-44.40%	-1.00%	-32.90%	1.09		
7+00	10	1.49	2.75	1.26	-36.20%	-11.00%	-32.70%	1.26	0.68%	
7+00	15	0.91	0.91	0.00	-36.20%		-36.80%	0.00		
7+14	0	5.52	5.52	0.00						
7+14	2.5	4.48	5.295	0.82	-41.60%	-9.00%	-9.00%	0.82		
7+14	5	3.44	4.455	1.02	-41.60%	-1.00%	-33.60%	1.02		
7+14	10	1.67	2.79	1.12	-35.40%	-13.00%	-33.30%	1.12	0.29%	
7+14	15	0.95	0.95	0.00	-35.40%		-36.80%	0.00		

DRAWN BY: DAL
REVISED NONE

DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - SURVEY DETAILS SHEET 1

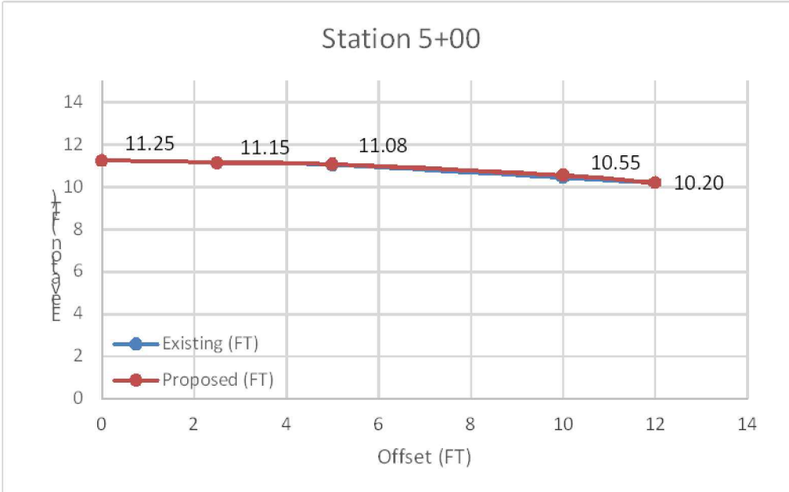
15-001-CIP

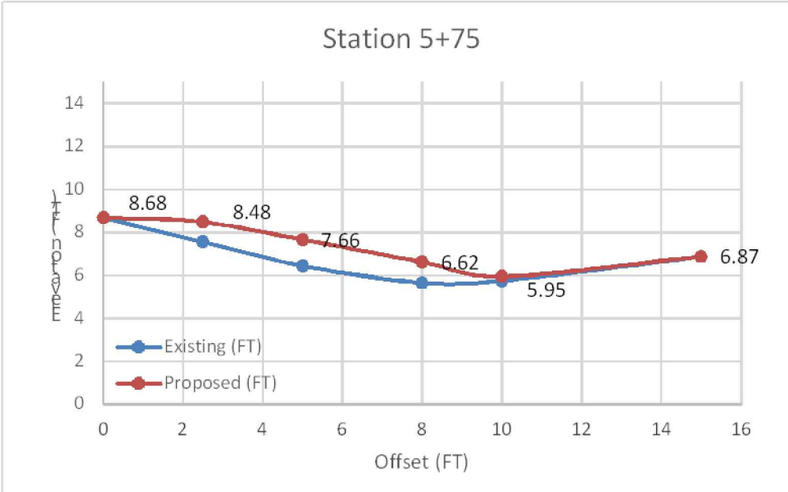
	DUBLIN ROAD AT LIMERICK LANE			BENCHMARK:	LOWER NORTH BOLT HYDRANT NO. 4078					
	CROSS SECTION ELEVATIONS			ELEVATION:	10.00		FT			
						ADJUSTMENT FROM				
STATION	OFFSET RT. (FT)	EXISTING ELEVATION	PROPOSED ELEVATION	PROPOSED CUT/FILL	EXISTING SLOPE	PREV. OFFSET	PROPOSED SLOPE	(CUT) / FILL (FT)	TOE SLOPE	NOTES
7+25	0	5.6	5.6	0.00				0.00		
7+25	2.5	4.645	5.425	0.78	-38.20%	-7.00%	-7.00%	0.78		
7+25	5	3.69	4.595	0.91	-38.20%	-1.00%	-33.20%	0.91		
7+25	10	1.76	2.99	1.23	-38.60%	-7.00%	-32.10%	1.23	1.82%	
7+25	15	1.35	1.35	0.00	-8.20%		-32.80%	0.00		
7+50	0	5.89	5.89	0.00						
7+50	2.5	5.115	5.815	0.70	-31.00%	-3.00%	-3.00%	0.70		
7+50	5	4.34	5.015	0.68	-31.00%	-2.00%	-32.00%	0.68		
7+50	10	2.58	3.44	0.86	-35.20%	-9.00%	-31.50%	0.86	1.80%	
7+50	15	2.49	2.49	0.00	-1.80%		-19.00%	0.00		
7+75	0	6.45	6.45	0.00						
7+75	2.5	5.72	6.4	0.68	-29.20%	-2.00%	-2.00%	0.68		
7+75	5	4.99	5.62	0.63	-29.20%	-2.00%	-31.20%	0.63		
7+75	10	3.52	4.19	0.67	-29.40%	-8.00%	-28.60%	0.67	3.00%	
7+75	15	4.02	4.02	0.00	10.00%		-3.40%	0.00		
8+00	0	7.27	7.27	0.00						
8+00	2.5	6.495	7.22	0.73	-31.00%	-2.00%	-2.00%	0.73		
8+00	5	5.72	6.395	0.68	-31.00%	-2.00%	-33.00%	0.68		
8+00	9	4.41	5.09	0.68	-32.75%	-7.00%	-32.63%	0.68		
8+00	10	4.53	5.01	0.48	12.00%	6.00%	-8.00%	0.48	3.28%	
8+00	15	5.19	5.19	0.00	-21.20%		3.60%	0.00		
8+25	0	8.37	8.37	0.00						
8+25	2.5	7.695	8.295	0.60	-27.00%	-3.00%	-3.00%	0.60		
8+25	5	7.02	7.495	0.48	-27.00%	-4.00%	-32.00%	0.48		
8+25	9	5.95	6.21	0.26	-26.75%	-9.00%	-32.13%	0.26	4.80%	
8+25	10	6.02	6.25	0.23	7.00%	3.00%	4.00%	0.23		
8+25	15	6.66	6.66	0.00	12.80%		8.20%	0.00		
8+50	0	9.8	9.8	0.00						
8+50	2.5	9.11	9.725	0.62	-27.60%	-3.00%	-3.00%	0.62		
8+50	5	8.42	8.91	0.49	-27.60%	-4.00%	-32.60%	0.49		
8+50	9	7.13	7.61	0.48	-32.25%	-9.00%	-32.50%	0.48	5.60%	
8+50	10	7.27	7.43	0.16	14.00%	3.00%	-18.00%	0.16		
8+50	15	8.35	8.35	0.00	21.60%		18.40%	0.00		
8+75	0	11.18	11.18	0.00						
8+75	2.5	10.52	11.105	0.59	-26.40%	-3.00%	-3.00%	0.59		
8+75	5	9.86	10.27	0.41	-26.40%	-5.00%	-33.40%	0.41		
8+75	10	8.64	8.66	0.02	-24.40%	-12.00%	-32.20%	0.02	4.20%	
8+75	15	9.54	9.54	0.00	18.00%		17.60%	0.00		
9+00	0	12.3	12.3	0.00						
9+00	2.5	12.45	12.225	-0.22	6.00%	-3.00%	-3.00%	(0.22)		
9+00	5	12.6	11.7	-0.90	6.00%	-15.00%	-21.00%	(0.90)		
9+00	10	9.75	10.1	0.35	-57.00%	-25.00%	-32.00%	0.35	5.76%	
9+00	15	10.89	10.89	0.00	22.80%		15.80%	0.00		
9+10	0	12.63	12.63	0.00						
9+10	2.5	12.295	12.53	0.23	-13.40%	-4.00%	-4.00%	0.23		
9+10	5	11.96	11.895	-0.06	-13.40%	-8.00%	-25.40%	(0.06)		
9+10	10	10.4	10.16	-0.24	-31.20%	-18.00%	-34.70%	(0.24)	0.24%	
9+10	15	11.4	11.4	0.00	20.00%		24.80%	0.00		
9+15	0	12.82	12.82	0.00						
9+15	2.5	12.54	12.72	0.18	-11.20%	-4.00%	-4.00%	0.18		
9+15	5	12.26	11.79	-0.47	-11.20%	-15.00%	-37.20%	(0.47)		
9+15	9.2	10.79	9.9232	-0.87	-35.00%	-25.40%	-44.45%	(0.87)	-0.95%	INV. DRIVE PIPE
9+15	10	10.92	10.19	-0.73	16.25%	-6.00%	33.35%	(0.73)		
9+15	15	12.19	12.19	0.00	25.40%		40.00%	0.00		

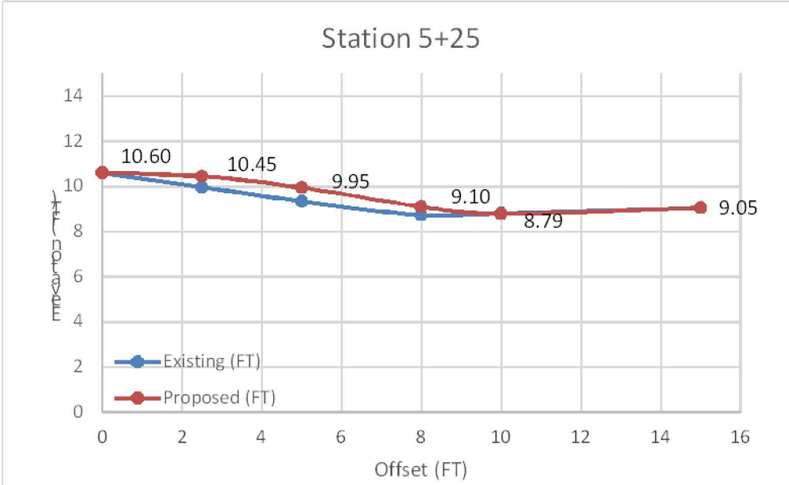
DRAWN BY: DAL
REVISED NONE

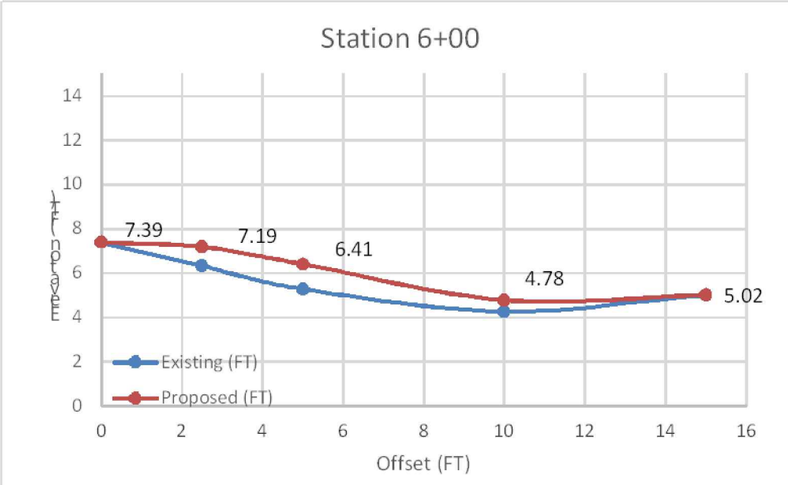
DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - SURVEY DETAILS SHEET 2

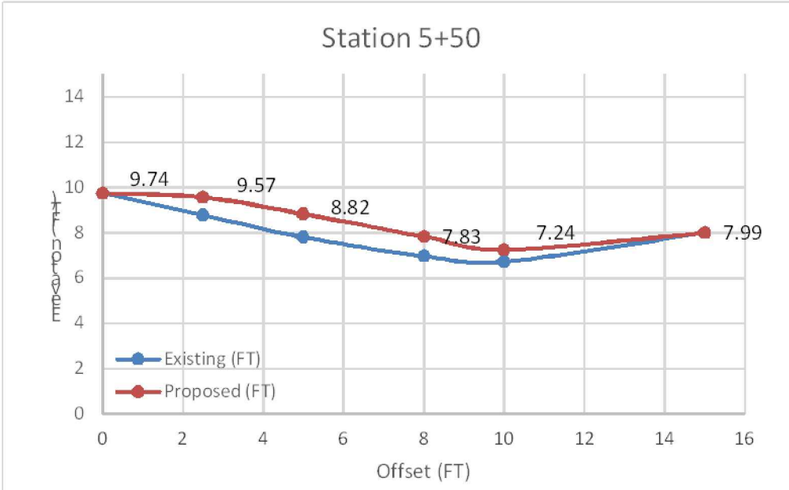
15-001-CIP

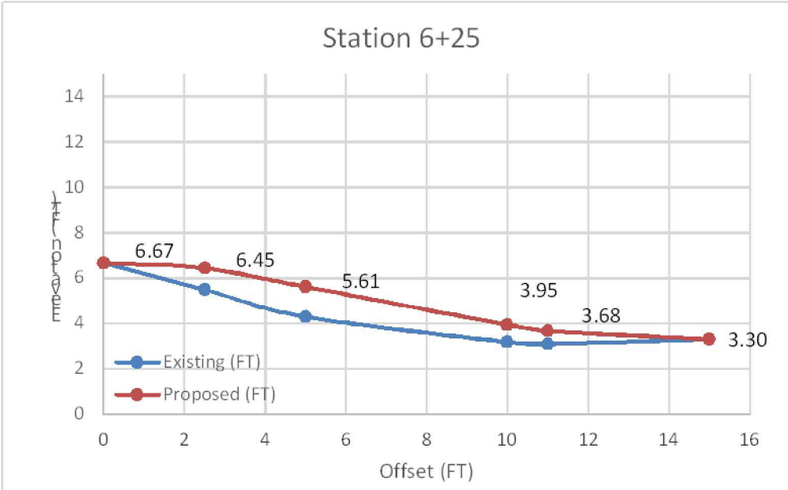








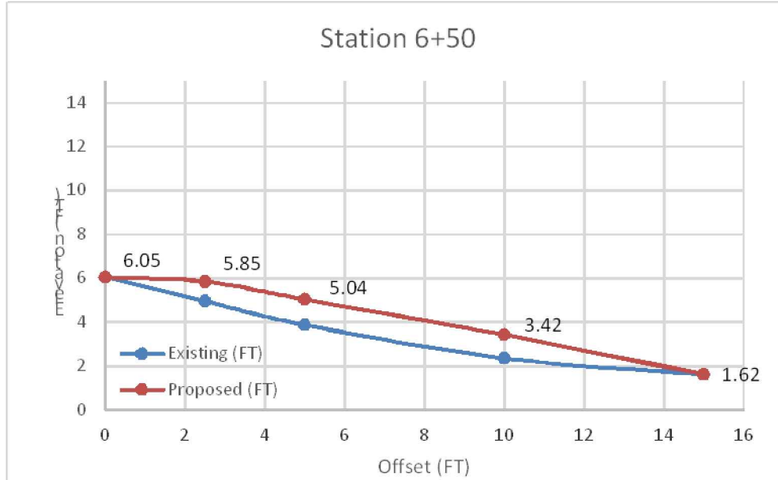


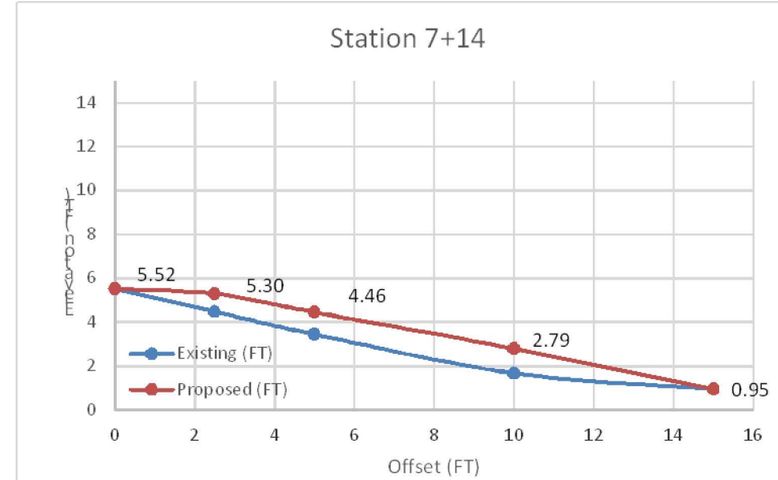


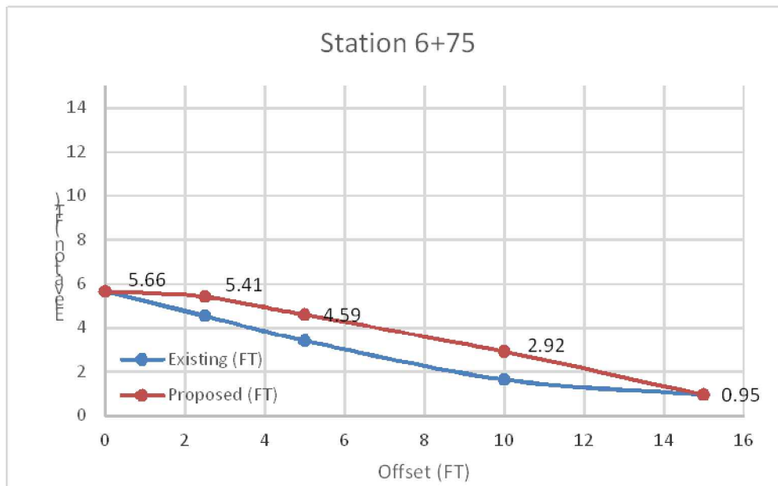
DRAWN BY: DAL
REVISED NONE

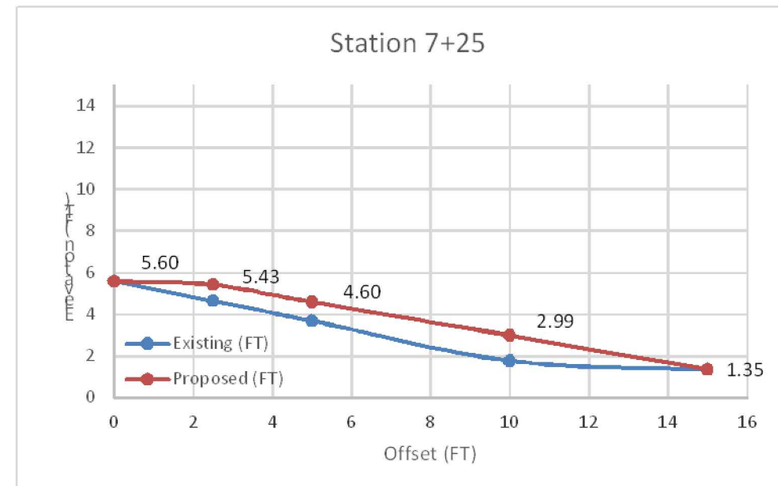
DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - CROSS SECTIONS

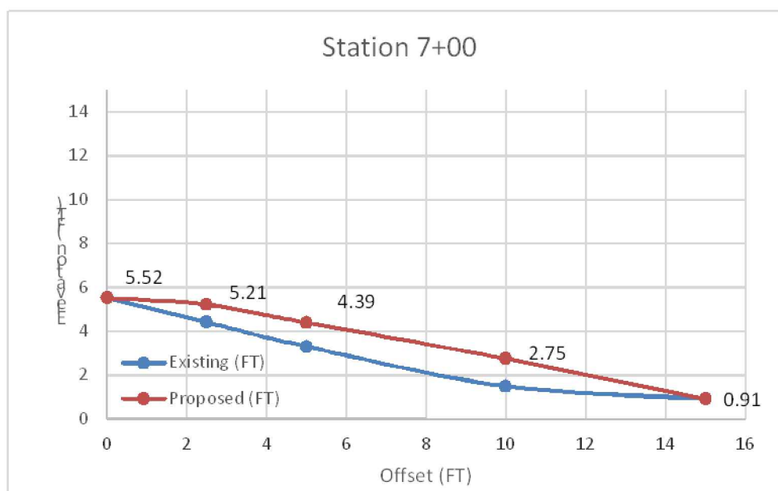
15-001-CIP

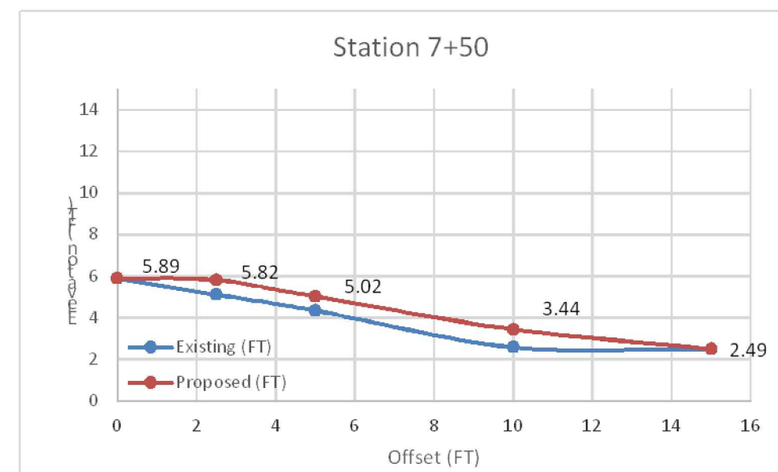








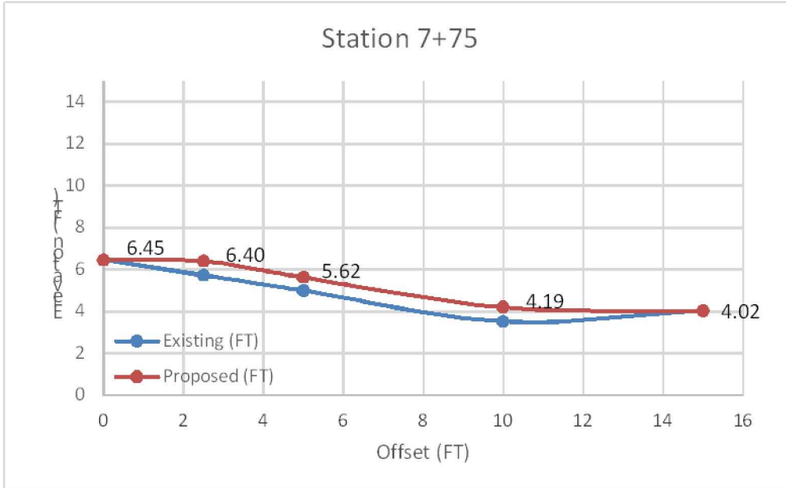


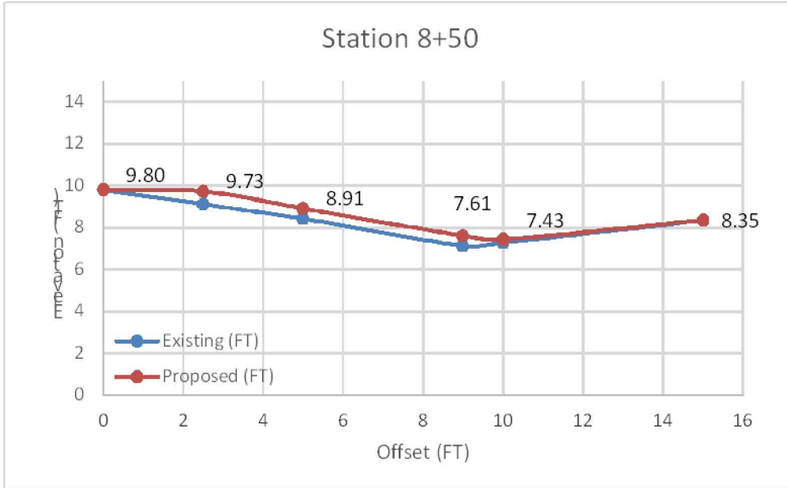


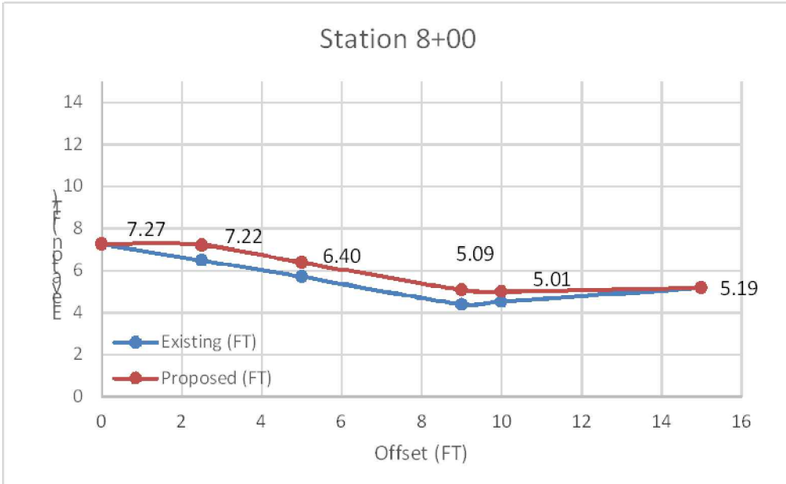
DRAWN BY: DAL
REVISED NONE

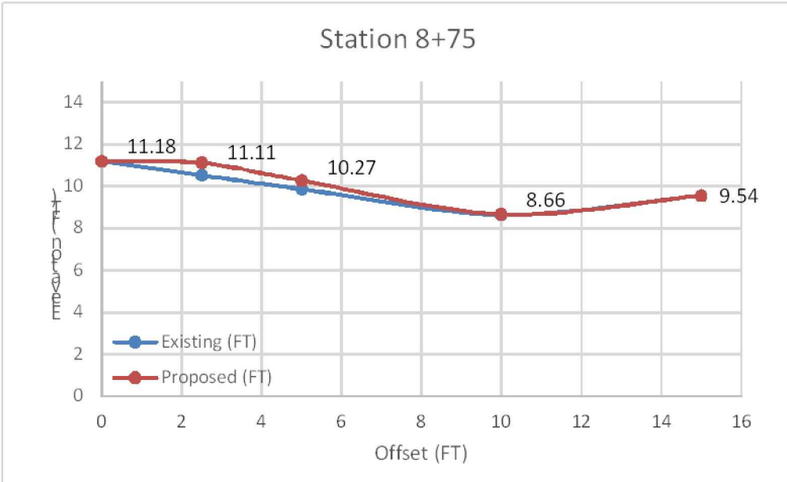
DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - CROSS SECTIONS

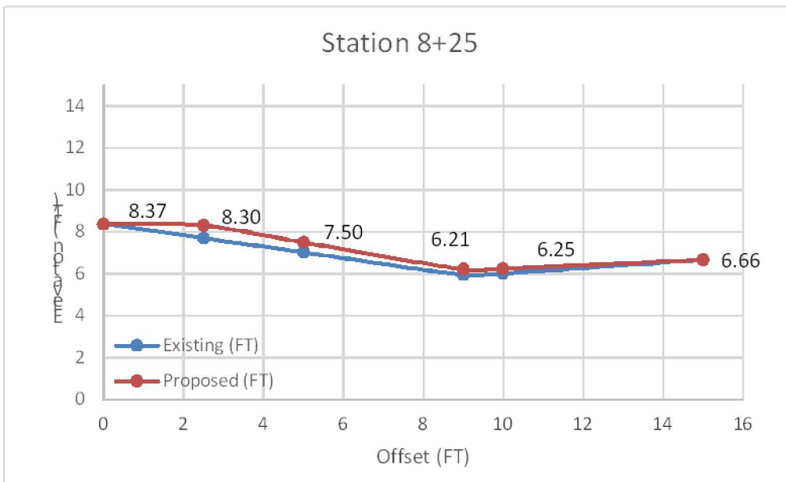
15-001-CIP

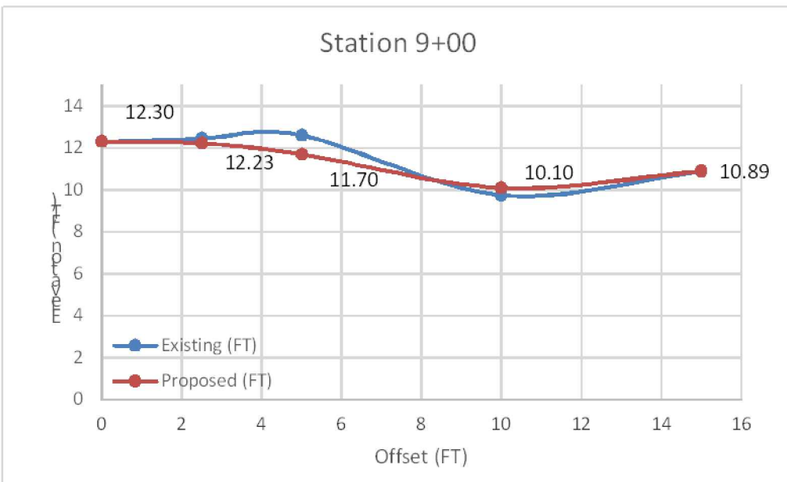








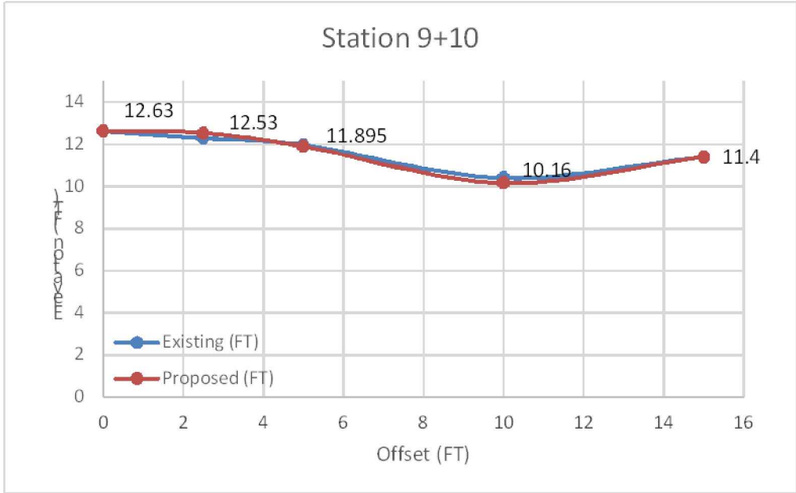


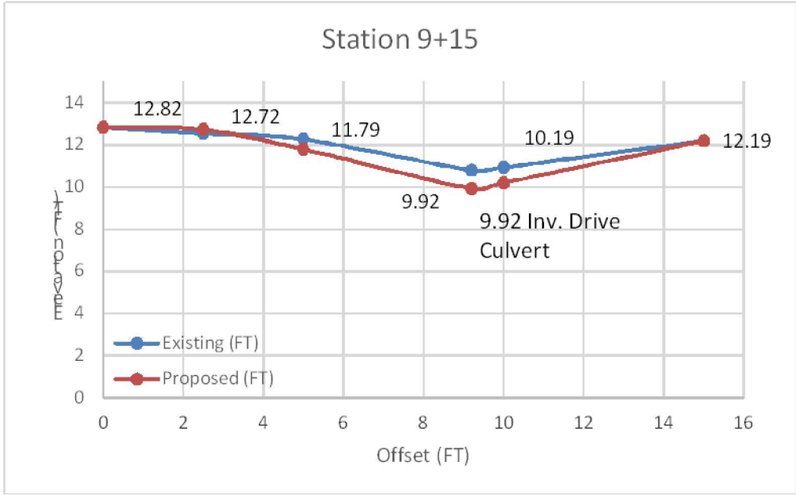


DRAWN BY: DAL
REVISED NONE

DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - CROSS SECTIONS

15-001-CIP

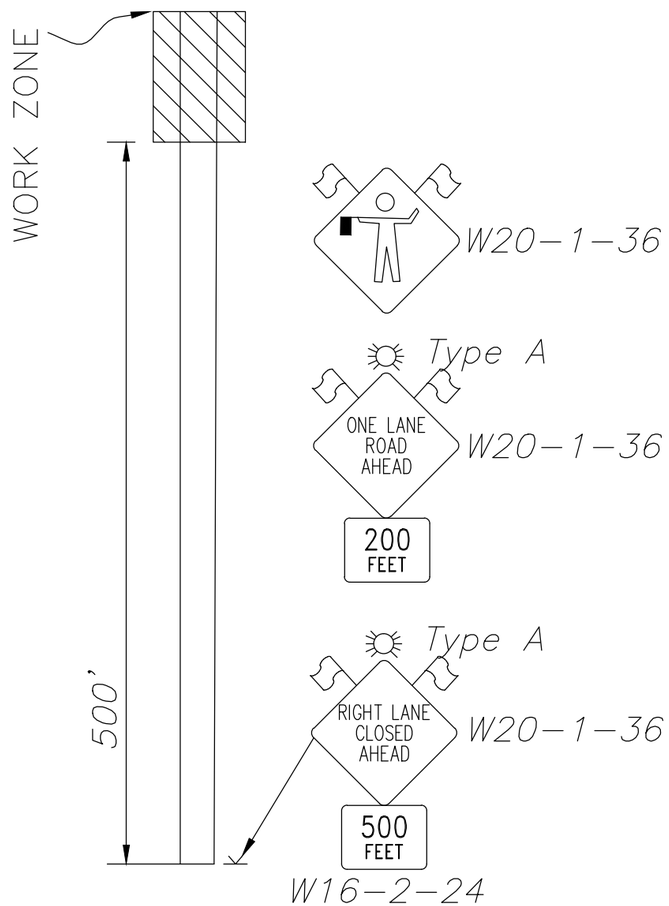




DRAWN BY: DAL
REVISED NONE

DUBLIN ROAD AT LIMERICK LANE
ROADSIDE IMPROVEMENTS - CROSS SECTIONS

15-001-CIP



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)

	DUBLIN ROAD AT LIMERICK DRIVE - ROADSIDE ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
203	Embankment	CY	130
203	Excavation, A.P.P.	CY	114
209	Linear Grading	SY	865
411	Stabilized Crushed Aggregate	CY	50
614	Flagger - [Dedicated Flagger]	HR	32
614	Maintaining Traffic, (Dublin Road)	LS	1
623	Construction Layout Staking- (Dublin Road)	LS	1
653	Pulverized Topsoil, A.P.P.	CY	70
659	Vegetation (Seed/Mulch), A.P.P.	SY	865
671	Erosion Control Mat, Type G	SY	865

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE AT LEAST 3 WORKING DAYS NOTICE PRIOR TO COMMENCEMENT OF WORK
2. WORK HOURS ARE BETWEEN 9 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY
3. ONE LANE TWO WAY TRAFFIC SHALL BE MAINTAINED
   SEE ODOT SCD MT-97.10

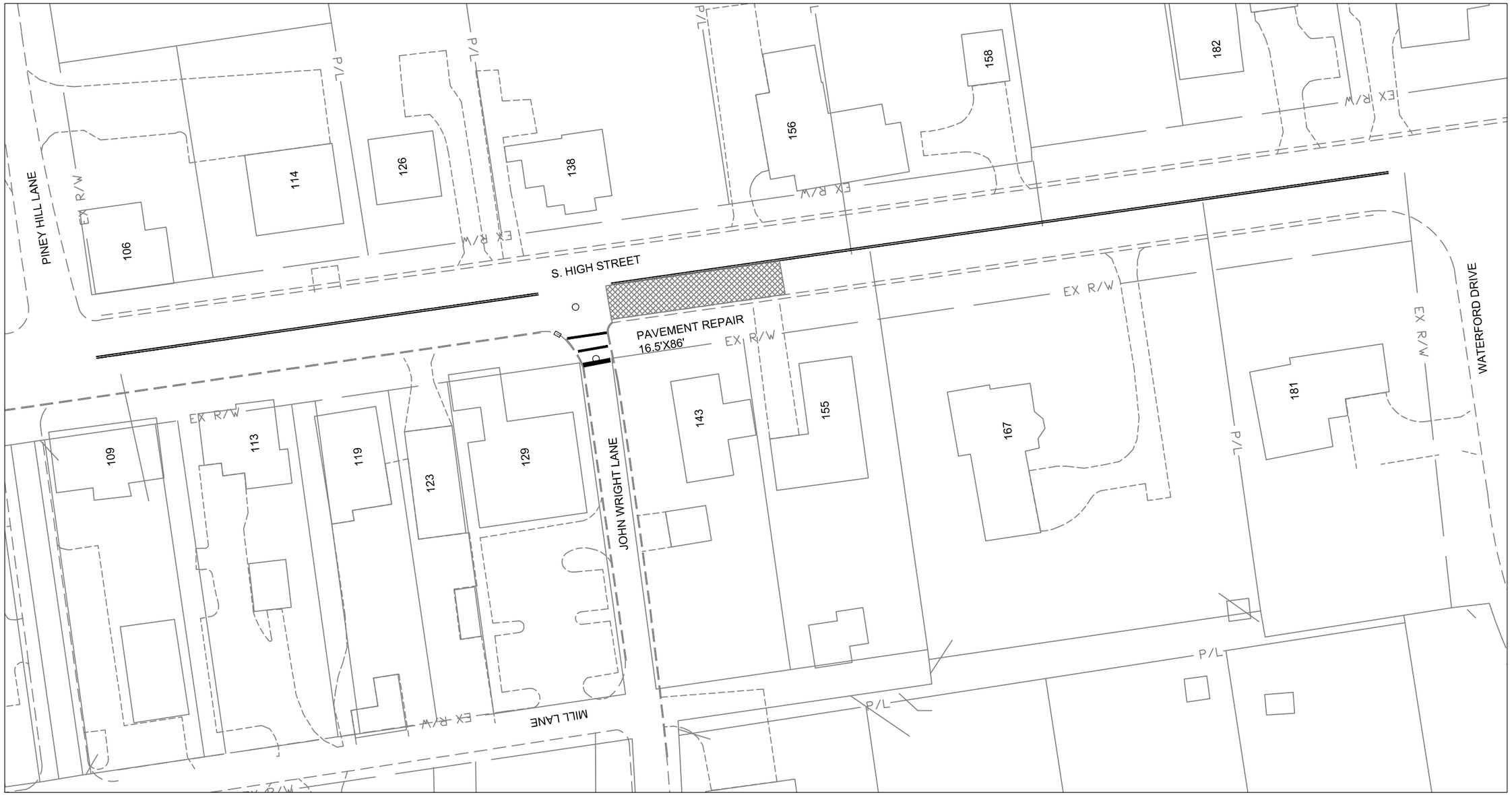
DRAWN BY: DAL
REVISED NONE

DUBLIN ROAD AT LIMERICK LANE
ESTIMATED QUANTITIES AND CONSTRUCTION NOTES

15-001-CIP

PAVEMENT REPAIRS

ITEM 253 PAVEMENT REPAIR, 6" A.P.P.
4.5" ITEM 301 ASPHALT CONCRETE BASE
TRACKLESS TACK COAT (0.075 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



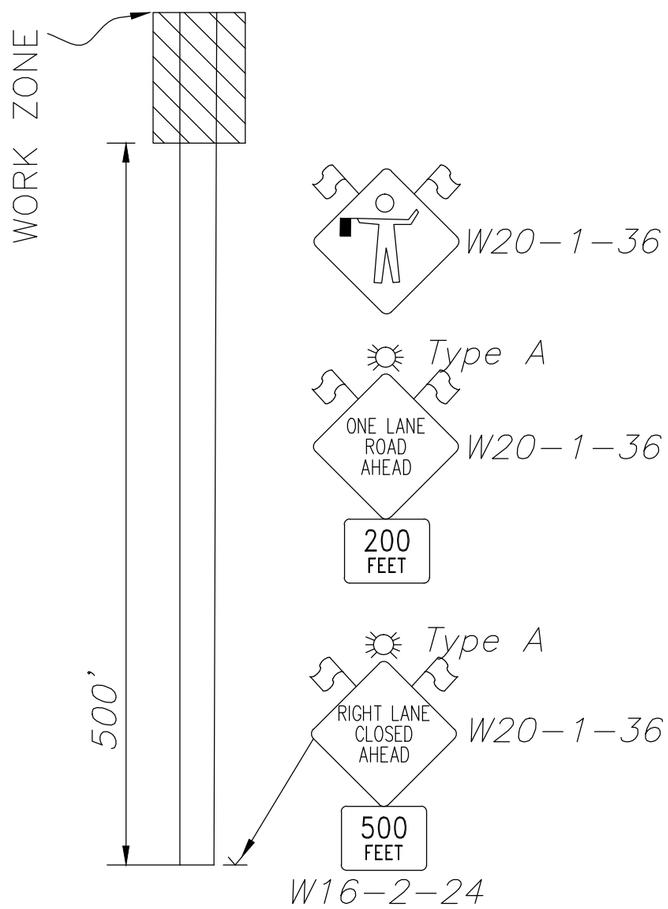
N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

S. HIGH STREET
ROADWAY PAVING WORK

15-001-CIP



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)

	S. HIGH STREET ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
253	Pavement Repair, 6" A.P.P.	SY	158
614	LEO w/ Patrol Car	HR	6
614	Flagger - [Dedicated Flagger]	HR	6

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL PROVIDE AT LEAST 2 WORKING DAYS NOTICE PRIOR TO COMMENCEMENT OF WORK
2. WORK HOURS ARE BETWEEN 10 A.M. AND 3 P.M., MONDAY THROUGH FRIDAY
3. ONE LANE TWO WAY TRAFFIC SHALL BE MAINTAINED
   SEE ODOT SCD MT-97.10

N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

S. HIGH STREET
ESTIMATED QUANTITIED AND CONSTUCTION NOTES

15-001-CIP

PAVEMENT REPAIRS

ITEM 251 ASPHALT SURFACE PATCH - ROADWAY
ITEM 254 PAVEMENT PLANING, 1.5"
TRACKLESS TACK COAT (0.1 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22

N

0 25 50 SCALE IN FEET

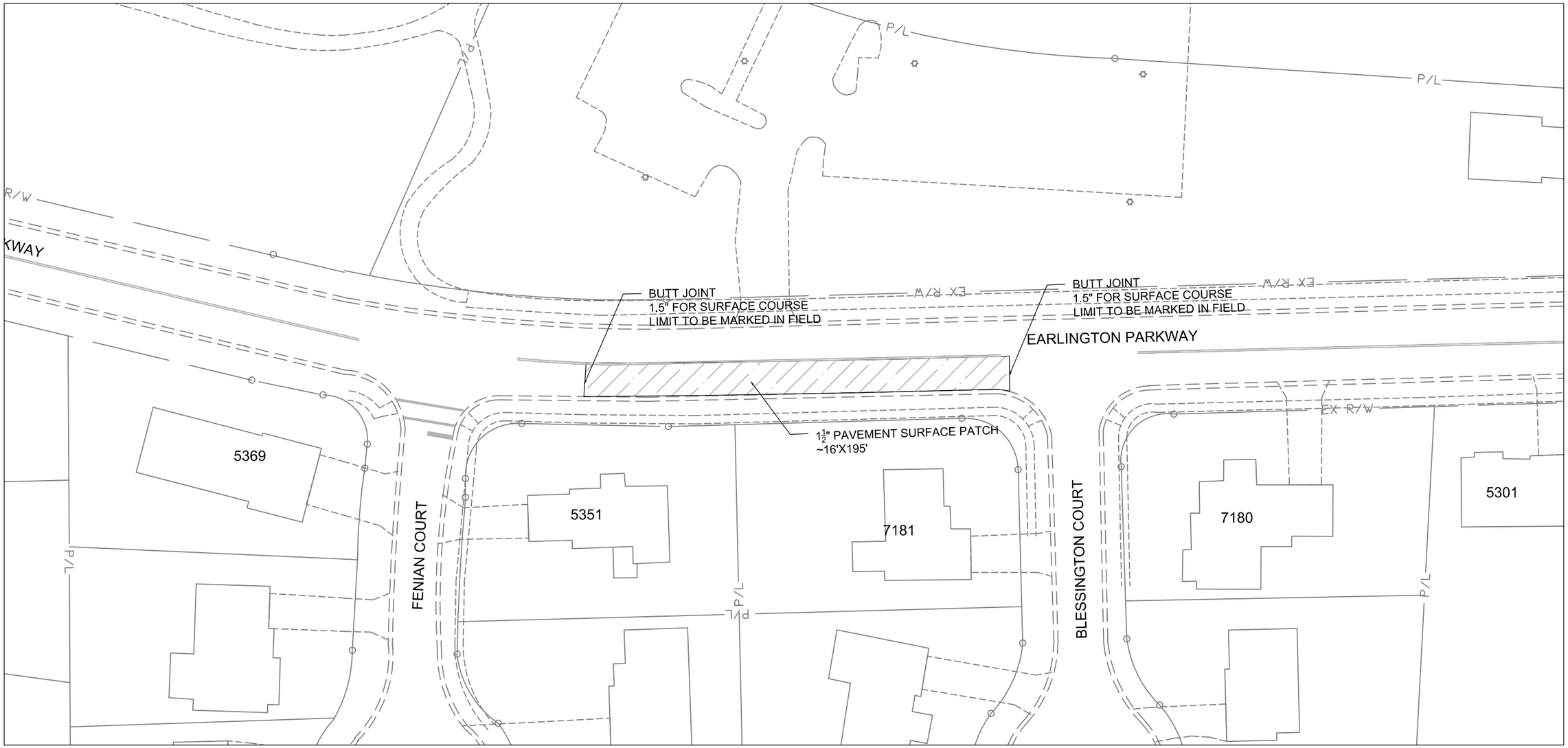
DRAWN BY: DAL
REVISED NONE

EARLINGTON PARKWAY
ROADWAY PAVEMENT REPAIRS

15-001-CIP

PAVEMENT REPAIRS

ITEM 251 ASPHALT SURFACE PATCH - ROADWAY
ITEM 254 PAVEMENT PLANING, 1.5"
TRACKLESS TACK COAT (0.1 GAL / SY)
1.5" ITEM 441 ASPHALTIC CONCRETE SURFACE COURSE,TYPE 1, (448) PG64-22



N

0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

EARLINGTON PARKWAY
ROADWAY PAVEMENT REPAIRS

15-001-CIP

CDL ITEM 644 CENTERLINE DOUBLE YELLOW

N

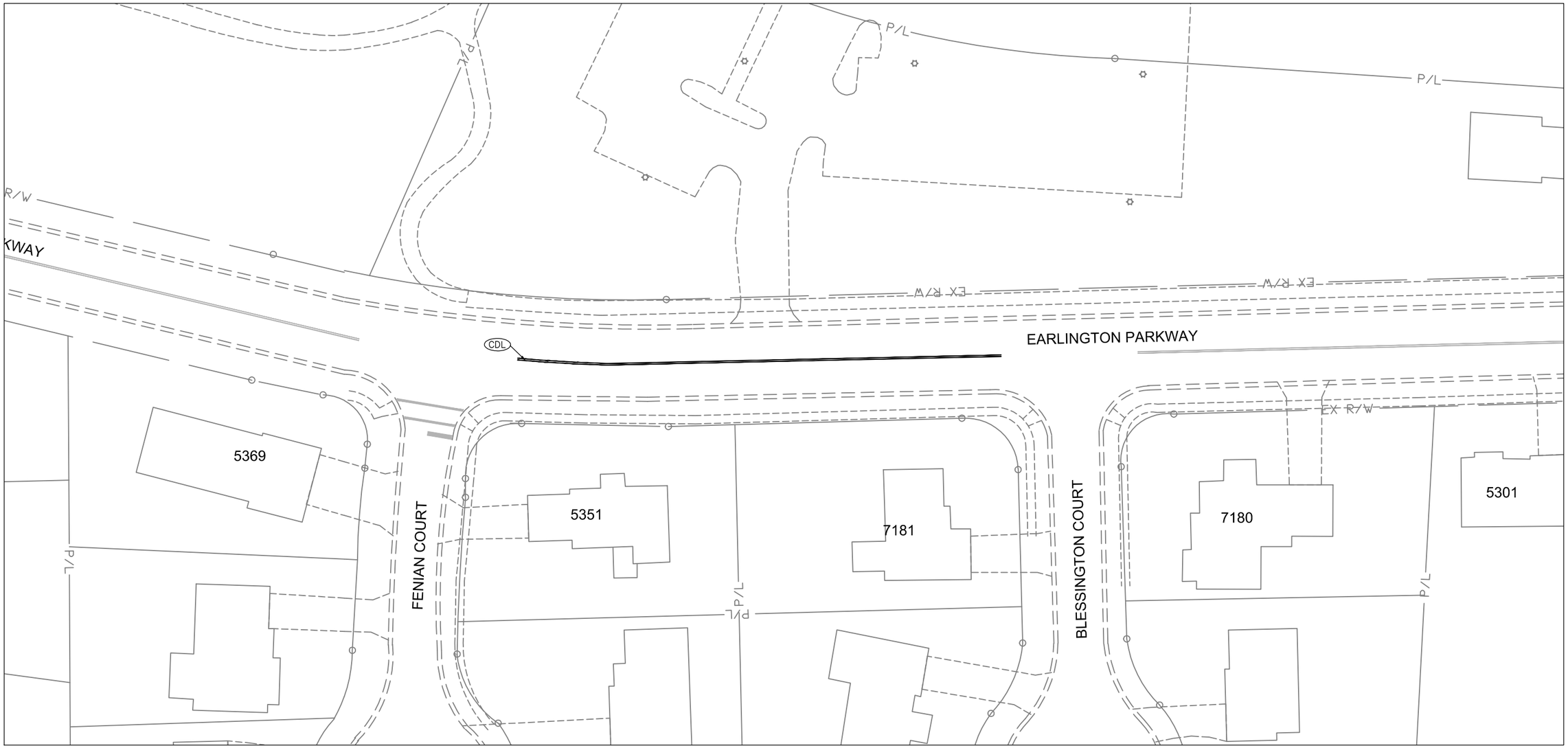
0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

EARLINGTON PARKWAY
ROADWAY TRAFFIC AND STRIPING

15-001-CIP

CDL ITEM 644 CENTERLINE DOUBLE YELLOW



N

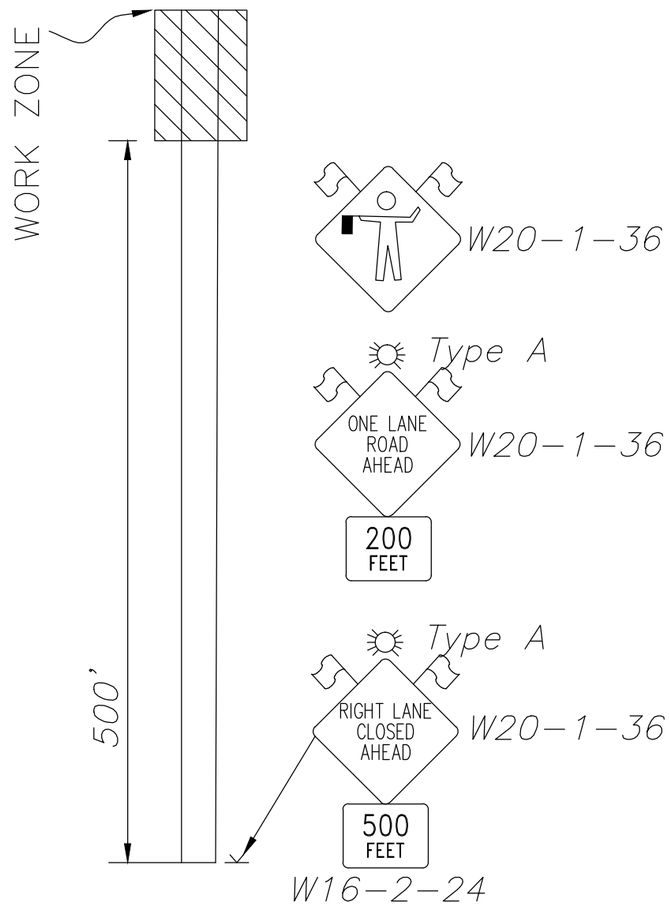
0 25 50
SCALE IN FEET

DRAWN BY: DAL
REVISED NONE

EARLINGTON PARKWAY
ROADWAY TRAFFIC AND STRIPING

15-001-CIP

	EARLINGTON PARKWAY ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	UNIT	QUANTITY
251	Asphalt Surface Patch - Roadway, 1.5"	SY	812
614	Flagger - [Dedicated Flagger]	HR	12
644	Center Line - Double-(Yellow, Solid or Dashed)	MI	0.09



ADVANCE WARNING SIGNS FOR ONE LANE WORK ZONE

TAPER LENGTHS SHOULD CONFORM TO MUTCD

(Typical Both Directions)

DRAWN BY: DAL
REVISED NONE

EARLINGTON PARKWAY
ESTIMATED CONSTRUCTION QUANTITIES AND DETAILS

15-001-CIP