

# PUBLIC SIDEWALK IMPROVEMENTS

PWK 2025-00053 & SMP 2025-00019

# RESERVE AT TOWER OAKS

ELECTION DISTRICT NO. 4TH

ROCKVILLE

MONTGOMERY COUNTY, MARYLAND



## STORM DRAIN AND PAVING NOTES

December 2022

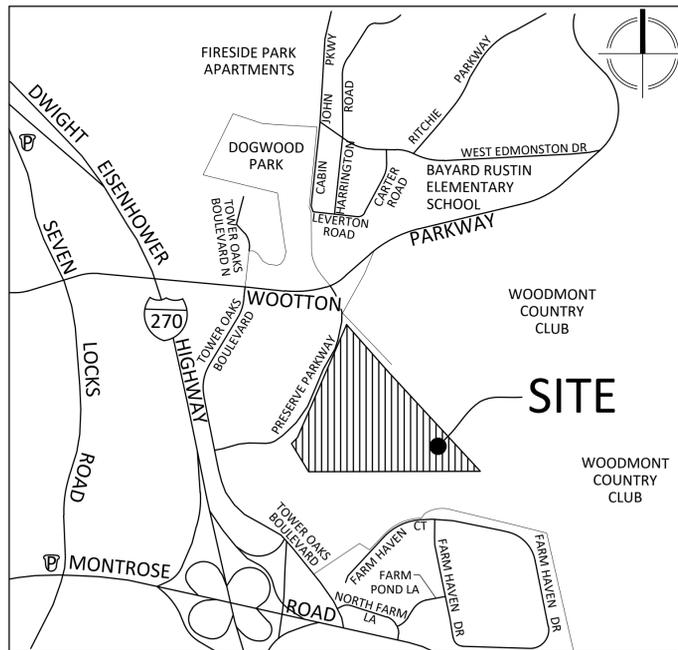
- All storm drain and paving construction shall be in accordance with the latest General Specifications and Standard Details of the Maryland State Highway Administration, Montgomery County, and the City of Rockville unless otherwise noted.
- Material and Installation Requirements for Storm Drain** – DPW will accept the following materials for the construction of main line storm drain, except as otherwise specified on the plans:
  - Reinforced concrete pipe:
    - Must be Class IV or V in accordance with the latest versions of ASTM C-76 and ASTM C-443 with rubber-gasketed joints and installed with Montgomery County Standard "C" shaped subgrade bedding or better.
  - Plastic pipe:
    - Will be allowed for pipes having a minimum diameter of 15" and a maximum diameter of 36" and as designated on the plan in specific installation locations.
    - Must be corrugated polyethylene drainage pipe meeting AASHTO M252 or AASHTO M294, or corrugated polypropylene drainage pipe meeting AASHTO M306 and installed in accordance with ASTM D2321.
    - Joints must be watertight according to the requirements of ASTM D3212 with gaskets that meet the requirements of ASTM F477. Gaskets must be installed by the pipe manufacturer and covered with a removable, protective wrap to ensure the gasket is kept free from debris.
    - The pipe embedment zone must extend from 6" below the pipe to 12" above the pipe and consist of angular, crushed stone, rock, or gravel with large void content and little to no fines. Embedment zone backfill must meet the Class IA requirements of ASTM D2321 with 100% passing a 1-1/2" screen, less than or equal to 10% passing a #4 screen, and less than 5% passing a #200 screen.
      - The pipe embedment zone/trench width must be a minimum of twice the pipe diameter plus 2".
      - Pipe embedment zone material must be placed along the side of the pipe for the full width of the trench in layers not exceeding an uncompacted depth of 6". Compact and consolidate each layer simultaneously on both sides of the pipe. Compact thoroughly under the haunches of the pipe. Continue this method of filling and compacting until the compacted backfill material is at least 12 in. above the top of the pipe.
      - The pipe embedment zone must be encapsulated in a geotextile fabric material to protect against the loss of pipe support by preventing the lateral migration of fines from the trench wall into the backfill envelope.
  - The manufacturer and trade name of the pipe must be specified on the plans; as should all pertinent manufacturer installation requirements, recommendations, and guidelines for that material.
  - A third-party inspector must observe and certify that all materials and installation methods comply with these requirements, the City of Rockville Geotechnical Notes, and the approved plans.
  - The pipe must be deflection tested within 30 days of the placement of compacted fill to finished grade and/or proof rolling in accordance with the City of Rockville Geotechnical Notes. This test must take place in the presence of the City Inspector and utilize a mandrel sized to 95% of the minimum inside diameter. Pipe segments which exceed 5% deflection will be rejected by the City and must be replaced in their entirety.
- If springheads are encountered in any phase during construction, construction must be stopped until they are capped and piped to a storm drain or stream as directed by the City.
- Provide positive drainage of all areas disturbed by construction. Minimum slope in paved areas is one percent. Minimum slope of graded areas is two percent. Maximum slope on earth banks is 3:1.
- When tying into existing pavement, saw cut existing paving edge to provide a clean, straight, and vertical joint. When removing existing curb or sidewalk, remove to the nearest joint.
- Paving Contractor is responsible for adjusting utility tops to finished grade.
- Applicant is responsible for installing all pavement markings and signage in accordance with the Final Pavement Marking and Signage Plan, which is approved by the Chief of Traffic and Transportation.
- For pavement sections of private driveways and parking lots, refer to Zoning and Planning Ordinance, 25.16.06.d. – Parking Design Standards - Paving Specifications.
- Per Maryland Code Public Utilities Section, all newly installed or replaced storm drain and storm drain facilities must be identifiable, detectable, or locatable. Any new or replacement piping that is buried or installed connecting to the storm drain system, shall be buried or installed with a product or technology that makes the piping detectable or locatable. At a minimum, all pipe must be installed with detectable warning tape.
  - Detectable Warning Tape.
    - Placement
      - Place tape directly over centerline of pipe the full length of trench, 18 to 30 inches below finished surface and with minimal number of splices.
      - Overlap tape minimum 6 inches at splices and intersections.
    - Description.
      - Size: Six-inch width, minimum 5 mils thickness.
      - Printing: Two lines, minimum 3/4-inch-high black lettering on each line, repeated continuously along length of tape at intervals no greater than 3 feet.
      - Tape color must follow the APWA Uniform Color Code.
        - Blue detectable warning tape for water mainline, water service connections, or when water and sewer are installed in same trench.
        - Green detectable warning tape for all sewer, storm drain, and stormwater management lines.
    - Approved Manufacturers.
      - Refer to WSSC's Standards and Specifications Section 02315 Part 2.1(A)(2) for an approved manufacturer list.
- Where the drop on the main line through a structure can be accommodated by an invert slope of 1.5:1 or flatter, a rounded channel lined with sewer brick on edge shall be built to the crown of the pipes.
- Where any part of the storm drain system is located in a fill section, provide fill material in accordance with the Geotechnical Notes compacted to 95% AASHTO T-99 density from approved subgrade to the structure bottom slabs and/or the pipe bedding.



## GENERAL NOTES

November 2016

- The Applicant is the entity for which the City of Rockville Department of Public Works (DPW) has issued a permit. For DPW projects where a permit is not applicable, the entity for which the City contract is issued shall be considered the Applicant in these notes. The Applicant is responsible for all contractors, agents, subcontractors, or other entities completing work under this permit and/or approved plan.
- The Applicant must arrange a pre-construction meeting prior to commencing any work. Provide at least 48 hours of notice to the following: City Project Inspector listed in the permit, City Forestry Inspector at 240-314-8713, if required by either a DPW and/or Forestry permit, or DPW Sediment Control Inspector at 240-314-8879, if required by permit.
- The Applicant must contact Miss Utility at 1-800-257-7777 or #811 or missutility.net so that utilities are marked prior to holding any pre-construction meeting.
- Information concerning existing underground utilities was obtained from available records. The Contractor must determine the exact location and elevation of existing utilities by digging test pits at the utility crossings well in advance of trenching. If clearance is less than shown on this plan, contact the Professional Engineer who stamped the design plans before proceeding with construction.
- Maintain a minimum one-foot vertical clearance between all City utilities crossing any other utility. Unless otherwise noted, maintain a five-foot horizontal clearance with between a City utility with any other utility or structure. The only exception is that there shall be a ten-foot horizontal clearance between City water and sewer mains.
- At the end of each day, all trenches shall be backfilled, all equipment secured, and the area left in a safe condition. Steel plates are allowed to remain no longer than seven days. Plates are to be notched (recessed) and pinned to the roadway. Plates must be large enough to allow a minimum of one-foot bearing on all four sides of the pavement surrounding the excavation. The steel plate requirements only apply to public streets.
- The public road utility patch shall be in accordance with City Standard Detail #60, or as shown on the plans. All trenches in public streets shall be filled with compacted Graded Aggregate Base (GAB) from below the pavement to the top of the pipe embedment zone or to a depth of five-feet, whichever is less.
- DPW normal working hours are Monday through Friday, except holidays, from 7 a.m. to 5 p.m. The City observes the following holidays: New Year's Day, Martin Luther King's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Thanksgiving Friday, and Christmas Day, and all days of general and congressional elections throughout the State. The Contractor will not be permitted to close lanes or do any work that requires the services of the City forces, outside of the normal working hours, unless listed in the permit or authorized by DPW in writing. However, the Contractor, with verbal permission of DPW may be permitted to work outside of the normal work hours for clean-up activities or other such items that do not adversely impact traffic, residents or City services.
- Traffic must be maintained on all roadways within the construction area as directed by DPW. No lane closure shall be permitted between 7:00-9:00 A.M. or 3:30-6:00 P.M. Monday through Friday. An exception is that lane closures are permitted on secondary residential streets at any time during normal working hours. Employment and design of all traffic control devices shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). If required, traffic control plans shall be reviewed and approved by the Chief of the Traffic and Transportation Division. DPW may suspend lane closure or other traffic controls at any time during, or in advance of, inclement weather events.
- Sheeting and shoring is the total responsibility of the Applicant. A Professional Engineer licensed in the State of Maryland shall seal these drawings. Provide three copies to DPW for informational purposes only.
- In addition to all City permits, the Applicant is responsible to ensure that all necessary Federal, State and/or Montgomery County approvals and/or permits have been obtained in association with this approved plan.
- Shop drawings must be prepared and sealed by a Professional Engineer licensed in the State of Maryland prior to fabrication. The Professional Engineer who sealed the design plans (but not the shop drawings) must approve the shop drawings for conformance to the approved design. Provide three copies of approved shop drawings to DPW prior to construction. Standard pre-cast structures previously approved by the Maryland State Highway Administration, Montgomery County and Washington Suburban Sanitation Commission do not require a shop drawing submission. Use actual field soils data for design of pipes and structures. All pipes and structures in paved areas shall be designed for HS-20 vehicle loading.
- Upon completion of construction, the Applicant shall provide three sets of red lined As-Built prints (24" x 36") for review and approval by DPW. The drawings must contain the original approval signatures and Professional Engineer's seal and signature (a scanned image of the original mylar is acceptable). The As-Built shall be sealed by a Professional Engineer or Professional Surveyor, as appropriate and must be licensed by the State of Maryland. The seal shall note that it is only for the As-Built and shall include an as-built certification acceptable to DPW. Upon receipt of written approval, the Applicant shall provide approved As-Built mylar drawings along with the original mylars (with all original signatures) to DPW prior to the release of the permit.
- The Applicant must comply with the Montgomery County Noise Control Ordinance. Please refer to the Montgomery County Department of Environmental Protection at 240-777-7770, askdep@montgomerycountymd.gov, or www.montgomerycountymd.gov/DEP.



## VICINITY MAP

SCALE: 1" = 1000'

## SHEET INDEX:

- SHEET 1 - COVER SHEET
- SHEET 2 - ROYAL FERN PLACE STATION 6+00 TO 12+00 PLAN VIEW CURB DETAIL
- SHEET 3 - ROYAL FERN PLACE STATION 12+00 TO 18+00 PLAN VIEW CURB DETAIL
- SHEET 4 - ROYAL FERN PLACE STATION 18+00 TO 24+11.66 PLAN VIEW CURB DETAIL
- SHEET 5 - CRANES BILL COURT STATION 0+00 TO 5+00 PLAN VIEW CURB DETAIL
- SHEET 6 - CRANES BILL COURT STATION 5+00 TO 8+89.76 PLAN VIEW CURB DETAIL
- SHEET 7 - BLUE LOBELIA WAY STATION 0+40.23 TO 4+00 PLAN VIEW CURB DETAIL
- SHEET 8 - BLUE LOBELIA WAY STATION 4+00 TO 6+74.51 PLAN VIEW CURB DETAIL
- SHEET 9 - PINKROOT AVENUE PLAN VIEW CURB DETAIL
- SHEET 10 - WOOD ASTER PLACE STATION 4+54.34 TO 6+86.21 PLAN VIEW CURB DETAIL
- SHEET 11 - BELLFLOWER LANE STATION 0+47 TO 5+00 PLAN VIEW CURB DETAIL
- SHEET 12 - BELLFLOWER LANE STATION 5+00 TO 8+15.45 PLAN VIEW CURB DETAIL
- SHEET 13 - WOODLAND PHLOX STREET PLAN VIEW CURB DETAIL
- SHEET 14 - SIDEWALK IMPROVEMENTS DETAIL SHEET
- SHEET 15 - SIDEWALK IMPROVEMENTS PEDESTRIAN BRIDGE STRUCTURAL DETAIL SHEET

## SPECIAL NOTES:

- ALL SIGNING AND MARKING SHALL BE DONE IN ACCORDANCE WITH THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MD-MUTCD), MARYLAND STATE HIGHWAY ADMINISTRATION'S BOOK OF STANDARDS, ITS SPECIFICATIONS AND GUIDELINES.
- THE CONTRACTOR SHALL USE DIAMOND GRADE REFLECTIVE SHEETING FOR ALL SIGNS.
- ALL PAVEMENT MARKING SHALL BE DONE USING THERMOPLASTIC MATERIALS.
- CROSSWALK MARKING SHALL BE DONE USING 24 INCH WIDE WHITE THERMOPLASTIC IN GENERAL (CONTINENTAL TYPE X=WALK, TYPICAL SPACING BETWEEN EACH HATCHING SHOULD BE 36 INCH).
- ALL PEDESTRIAN CROSSING SIGNS AND RELATED PLAQUES SHOULD HAVE FLUORESCENT YELLOW GREEN BACKGROUND.
- STOP LINES SHALL BE 24 INCH WIDE USING WHITE THERMOPLASTIC MATERIAL. THE SPACING BETWEEN THE STOP LINE AND THE CROSSWALK MARKING SHALL BE 4 FEET AT A MINIMUM.
- WHEN SIGNS ARE INSTALLED IN CONCRETE, A PVC SLEEVE SHALL BE PROVIDED USING 40 SCHEDULE PVC (4" DIAMETER).
- THE HEIGHT OF TRAFFIC SIGNS SHOULD BE MINIMUM 7 FEET FROM THE BOTTOM OF THE SIGN FACE TO THE GROUND.



## GEOTECHNICAL NOTES

November 2016

- The Applicant shall be responsible for all subgrade inspection and soil compaction testing associated with any work within a City right-of-way, private property subject to a public access easement, or private property subject to City easement for public utilities or public improvements; and/or any work associated with a sediment control facility, or stormwater management practice. This work shall be completed by or under the supervision of a Professional Engineer licensed in the State of Maryland. For the purposes of these notes and associated approved plans, this Engineer shall be referred to as the Geotechnical Engineer and shall be an independent firm from the Applicant.
- Any plans subject to NRCS-MD Pond Code 378 Standards/Specifications, as shown on the plans, shall supersede these notes when these notes are less stringent or in case of conflict. Any reference to the Engineer in the 378 Standard/Specifications shall be the Professional Engineer who stamped and sealed the design plans. Any reference to the Geotechnical Engineer shall be the Geotechnical Engineer as defined above or the Geotechnical Engineer who completed certain aspects of the pond design.
- All inspections, tests, supporting data, reports, and certifications shall be provided to the City of Rockville Department of Public Works (DPW) and shall be sealed by the Geotechnical Engineer. Daily inspection reports, if requested by the City, can be provided without being immediately sealed by the Geotechnical Engineer. These reports shall be compiled, reviewed, sealed and then submitted to DPW at a later date as agreed upon by the City.
- The Geotechnical Engineer shall approve all fill materials that are used for the project. The Geotechnical Engineer shall obtain samples of proposed fill materials and perform all required testing to determine that fill materials are in conformance with this plan.
- The Geotechnical Engineer shall provide a report that certifies the subgrade preparation and fill/backfill placement are in conformance with this plan. The certification applies to all fill, backfill, and subgrade operations subject to this plan as detailed in Note #1, including utility trenches. When constructing new roadway pavement this certification report shall be provided prior to the placement of Graded Aggregate Base (GAB). All other certifications shall be provided as requested by the City.
- All fill and/or backfill material shall be free from organics, frozen material, rocks/stones greater than one and a half inches in any dimension, waste metal products, unsightly debris, toxic material, or other deleterious materials; shall be a minimum of 105 pounds per cubic foot for the maximum dry density according to AASHTO T-180, Method C, and shall not have a liquid limit greater than 30 nor a plasticity index greater than six according to ASTM D-4318. All other materials shall meet the requirements stated in Category 900 of the latest edition of the Maryland State Highway Administration (MSHA) Standard Specifications for Construction and Materials.
- Compact the material that is one foot below the top of subgrade to at least 92 percent of the maximum dry density per AASHTO T-180. Compact the top one foot to at least 97 percent of the maximum dry density. When necessary, add water or dry the layer in order to compact to the required density. Generally the material shall be within two percent of the optimum moisture content but may be outside of this range if approved by the Geotechnical Engineer.
- Fill and backfill materials must completely fill all spaces under and adjacent to the structure or pipe. For Stormwater Management embankments, the Applicant shall scarify each lift with a sheepsfoot roller or claw to a minimum depth of two-inches prior to placing the next lift. The Applicant shall scarify embankments parallel with the centerline of the dam core and perpendicular to the principal spillway. Bedding shall be provided in accordance with details indicated on the construction drawings. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four-feet, measured horizontally, to any part of a structure. Under no circumstances shall the Applicant drive equipment over any part of a corrugated metal pipe unless there is a compacted fill of 24-inches or greater over the structure or pipe.
- At a minimum, compaction tests shall be completed for every lift of fill or backfill. The testing frequency shall be at least once per 150 linear feet of trench or once per 1,500 square feet of fill. At a minimum, there shall be at least one compaction test per lift and a least two compaction tests per day. The Geotechnical Engineer shall supply DPW with certified compaction test results, including certification of pipe bedding subgrade and fill subgrade.
- Prior to placing any roadway fill on existing grades (original grade after topsoil has been stripped, fill prepared by others outside of this plan or fill not prepared under the supervision of the Geotechnical Engineer), scarify the minimum top eight-inches of soil material. Compact this layer to the compaction requirements in these Notes. Proof-roll this compacted layer using a fully loaded dump truck (minimum 20 ton payload capacity). The Geotechnical Engineer shall inspect the proof-rolling and determine if the subgrade is acceptable or if there are areas that require remediation. Subgrade areas that fail proof-rolling shall be remediated to the satisfaction of the Geotechnical Engineer by either of the following methods:
  - Scarifying, moisture conditioning, and re-compaction of the subgrade materials.
  - Undercutting soft of unsuitable areas of subgrade and backfilling with compacted select borrow (MSHA Section 916).
  - Undercutting of soft or unsuitable areas of subgrade and placing a layer of geotextile covered by # MSHA 57 coarse aggregate (Table 901A).

DPW may approve an alternate approach for soil remediation/improvement if it is recommended and sealed by the Geotechnical Engineer.

- Except when specified, do not place layers exceeding eight-inches un-compacted depth. Place the material in horizontal layers across the full width of the embankment. Perform all rolling in a longitudinal direction along the embankment. Begin at the outer edges and progress towards the center. Vary the travel paths of traffic and equipment over the width of the embankment to aid in obtaining uniform compaction.
- Uniformly grade areas to a smooth surface, free of irregular surface changes. Grade and prepare the subgrade section to the lines, grades, cross sections and/or elevations shown on the plans. At all times, maintain the subgrade surfaces in such condition as to readily drain.

## PROFESSIONAL CERTIFICATION:

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 51971, Expiration Date: DEC 10, 2025.

LOGAN B. KELSO, P.E.  
NAME



NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

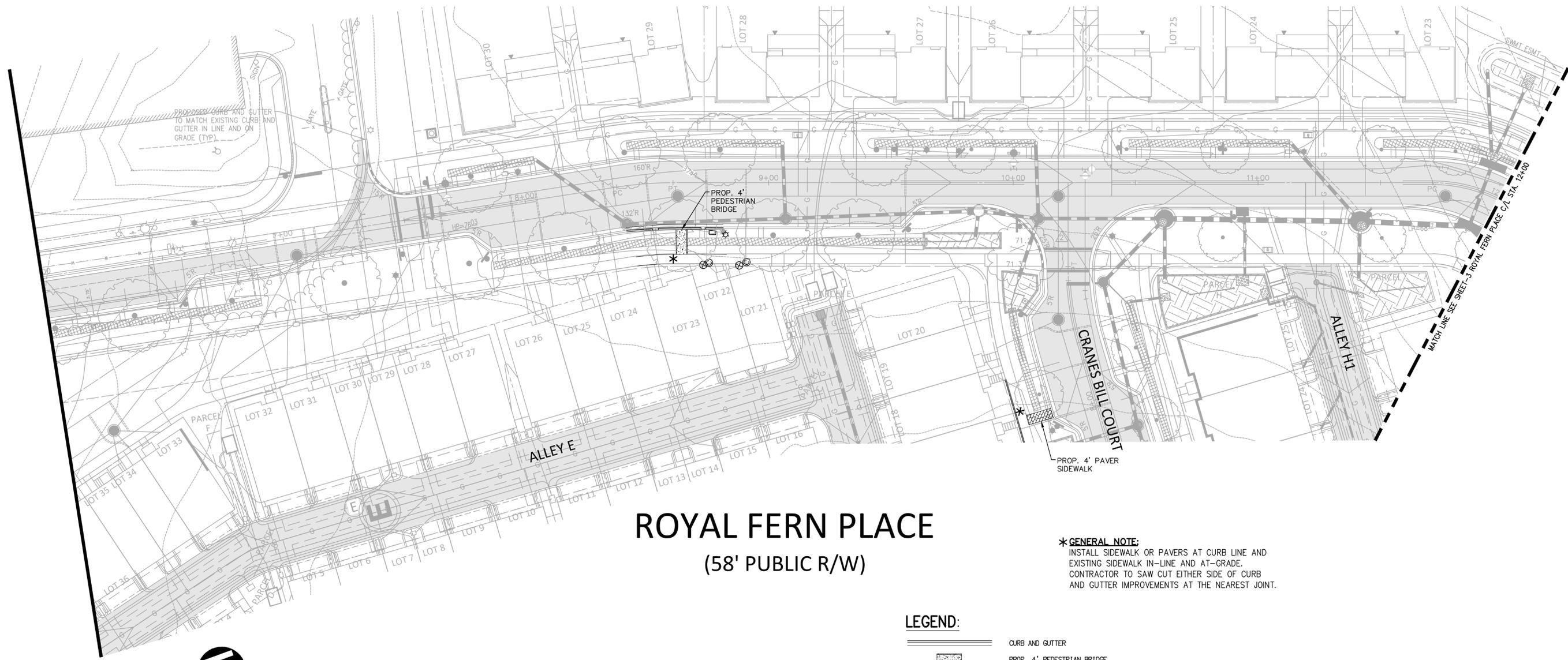
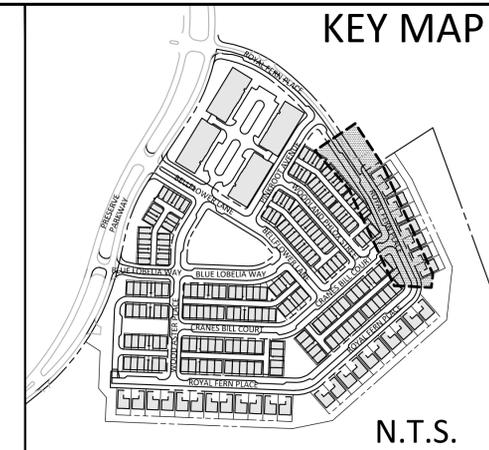


BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY"  
WWW.MISSUTILITY.NET  
OR  
1-800-257-7777  
OR 811  
AT LEAST 48 HOURS PRIOR TO EXCAVATION

	DESIGNED — LBK	DEPARTMENT OF PUBLIC WORKS CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGN PLAN APPROVAL	AS BUILT PLAN APPROVAL	<b>RESERVE AT TOWER OAKS</b> PARCEL P252 LIBER 15897 FOLIO 157 4TH ELECTION DISTRICT ROCKVILLE CITY OF ROCKVILLE, MARYLAND	COVER SHEET
	DRAFTED — GLS		DIRECTOR OF PUBLIC WORKS	CHIEF, CONSTRUCTION MANAGEMENT		
	CHECKED — LBK	PLAN APPROVAL DATE	PWK# <u>PWK2025-00053</u> SCP# _____			
			SMP# <u>SMP2025-00019</u> CIP# _____			

DATE SUBMITTED: 10/2025	SCALE AS SHOWN	SHEET NO. <u>1</u> OF <u>15</u>	FILE #
VKA JOB NO. VM6134			

KEY MAP



# ROYAL FERN PLACE

(58' PUBLIC R/W)

**\*GENERAL NOTE:**  
 INSTALL SIDEWALK OR PAVERS AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE. CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.

**LEGEND:**

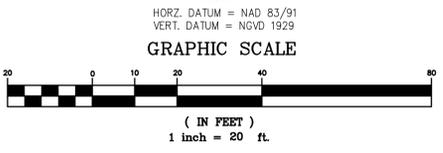
- CURB AND GUTTER
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 4' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TC TOP OF CURB
- BC BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST

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DESIGNED	LBK
DRAFTED	GLS
CHECKED	LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF  
**ROCKVILLE**  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

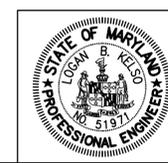
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DIRECTOR OF PUBLIC WORKS	PWK# <u>PWK2025-00053</u> SCP# _____
PLAN APPROVAL DATE	SMP# <u>SMP2025-00019</u> CIP# _____

AS BUILT PLAN APPROVAL	
CHIEF, CONSTRUCTION MANAGEMENT	PLAN APPROVAL DATE

**RESERVE AT TOWER OAKS**  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

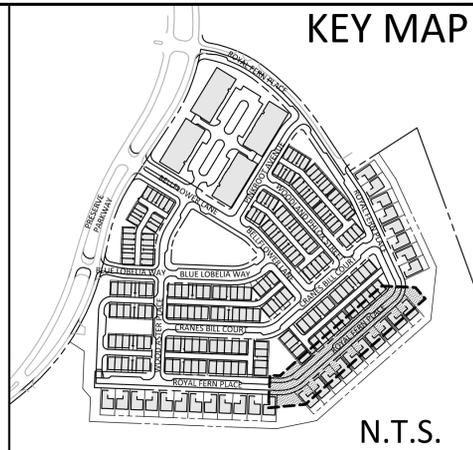
STORM DRAIN & PAVING PLAN  
 ROYAL FERN PLACE STATION 06+00 TO 12+00  
 PLAN VIEW CURB DETAIL

DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. <u>2</u> OF <u>15</u>	FILE #
VKA JOB NO. VM6134			

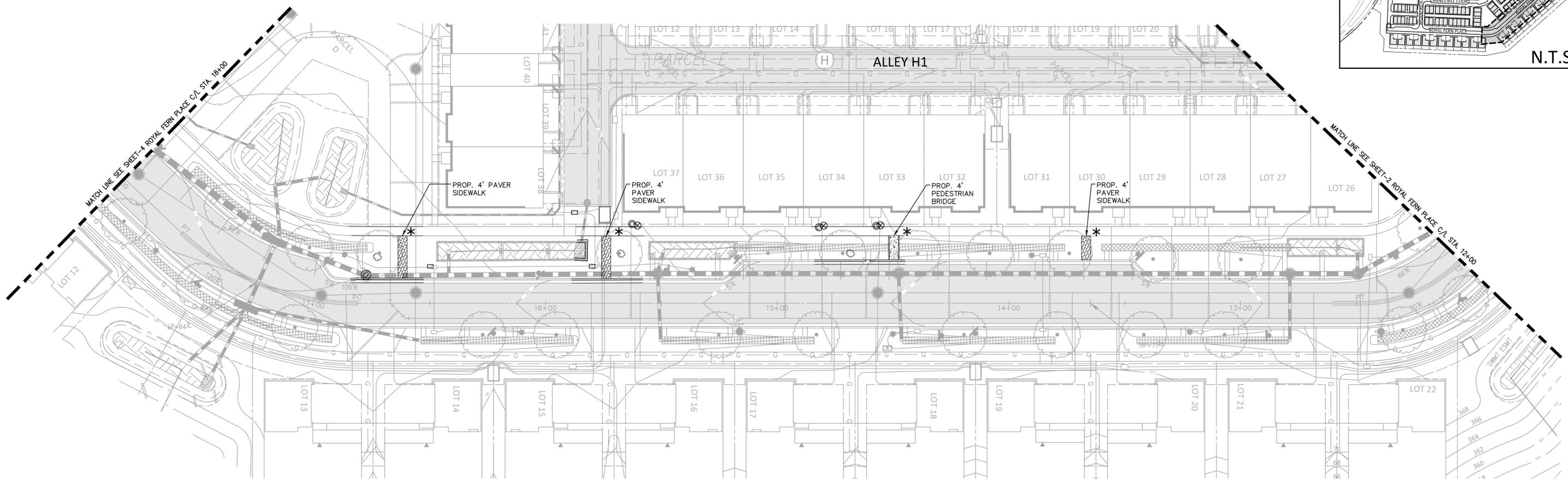


NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

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N.T.S.



# ROYAL FERN PLACE

(58' PUBLIC R/W)



HORZ. DATUM = NAD 83/91  
VERT. DATUM = NGVD 1929

GRAPHIC SCALE



**\*GENERAL NOTE:**  
INSTALL SIDEWALK OR PAVERS AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE. CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.

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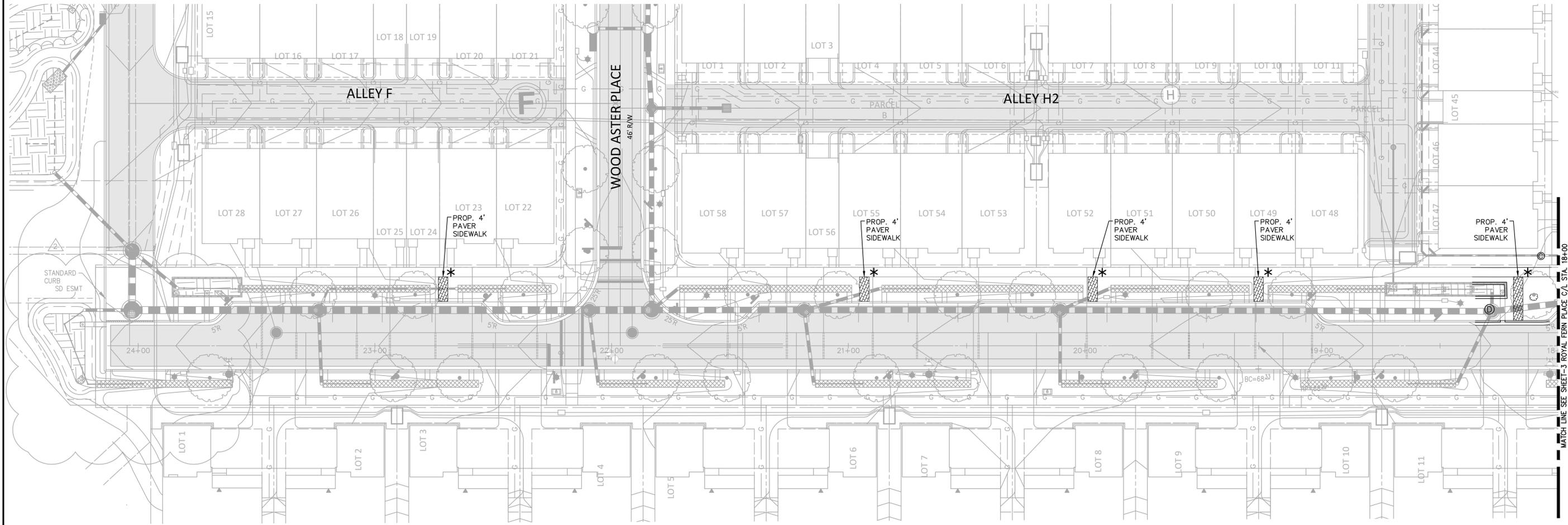
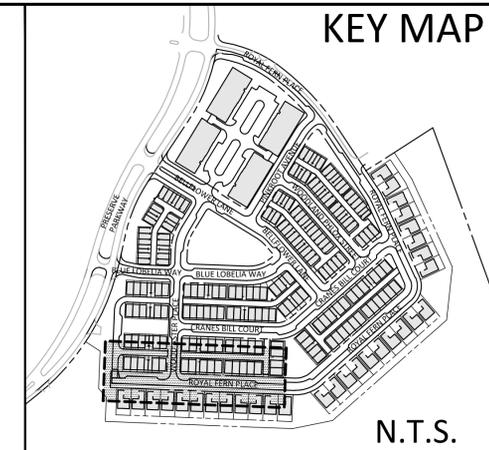
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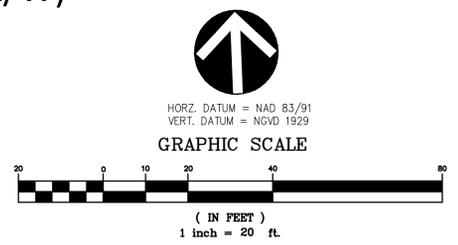
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	PROP. 4' SIDEWALK
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	TOP OF CURB
	BOTTOM OF CURB/FLOW LINE
	PROPOSED SIGN POST



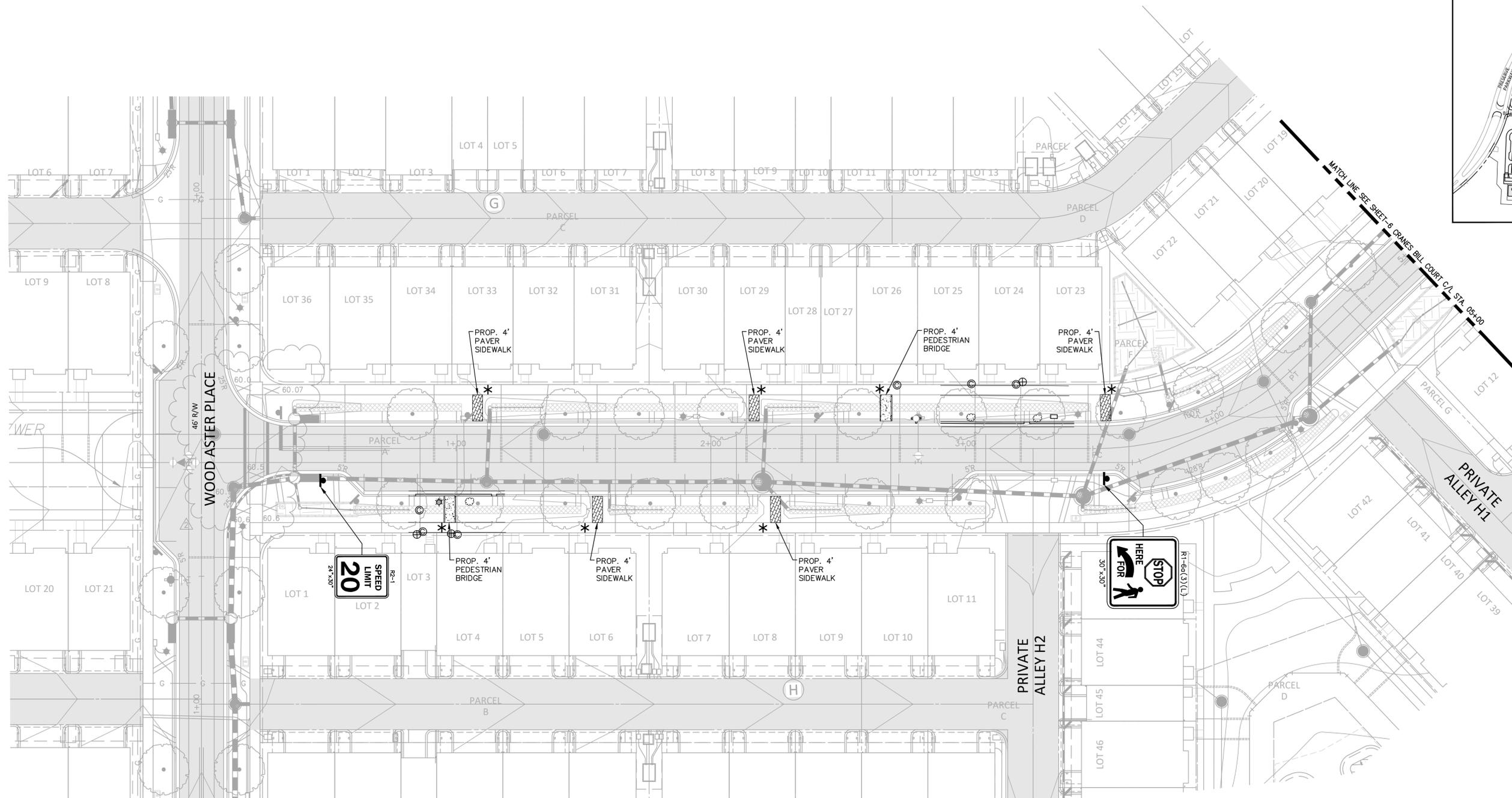
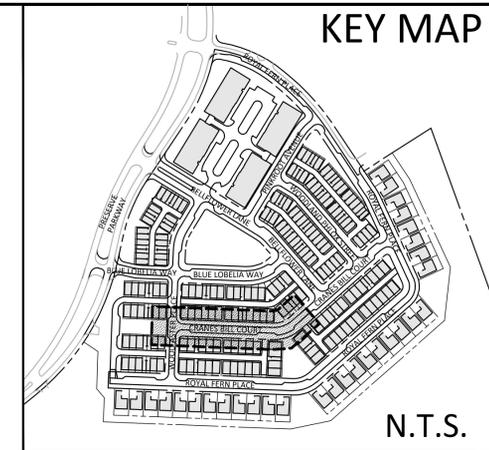
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 OR 811  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION

**PROFESSIONAL CERTIFICATION:**  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 51971, Expiration Date: DEC 10, 2025.  
 LOGAN B. KELSO, P.E.  
 NAME



	DESIGNED - LBK	DEPARTMENT OF PUBLIC WORKS CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGN PLAN APPROVAL		AS BUILT PLAN APPROVAL	<b>RESERVE AT TOWER OAKS</b> PARCEL P252 LIBER 15897 FOLIO 157 4TH ELECTION DISTRICT ROCKVILLE CITY OF ROCKVILLE, MARYLAND	STORM DRAIN & PAVING PLAN	DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. 4	FILE #
	DRAFTED - GLS		DIRECTOR OF PUBLIC WORKS    PWK# <u>PWK2025-00053</u> SCP# _____ SMP# <u>SMP2025-00019</u> CIP# _____	CHIEF, CONSTRUCTION MANAGEMENT _____ PLAN APPROVAL DATE	PLAN APPROVAL DATE		ROYAL FERN PLACE STATION 18+00 TO 24+11.66	VKA JOB NO. VM6134	OF 15		

K:\2001-9999\6134\0001\CONSTRUCTION\PILOT\_SHEETS\Sheetwork\_Improvements (New PWK)\0134200\_P\_SDP\_A\_11C.dwg - Monday, October 27, 2025 9:32:26 PM



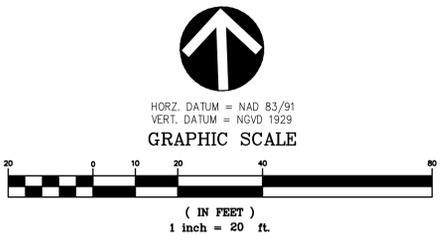
# CRANES BILL COURT

(66' PUBLIC R/W)

**\*GENERAL NOTE:**  
 INSTALL SIDEWALK OR PAVERS AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE. CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.

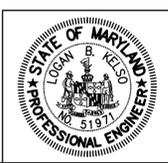
- LEGEND:**
- CURB AND GUTTER
  - PROP. 4' PEDESTRIAN BRIDGE
  - PROP. 4' SIDEWALK
  - PROP. 4' PAVER SIDEWALK
  - TC  
TOP OF CURB
  - BC  
BOTTOM OF CURB/FLOW LINE
  - PROPOSED SIGN POST

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY"  
 AT  
 WWW.MISSUTILITY.NET  
 OR  
 1-800-257-7777  
 OR 811  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION



HORIZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929  
**GRAPHIC SCALE**

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NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

DESIGNED	LBK
DRAFTED	GLS
CHECKED	LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF  
**ROCKVILLE**  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

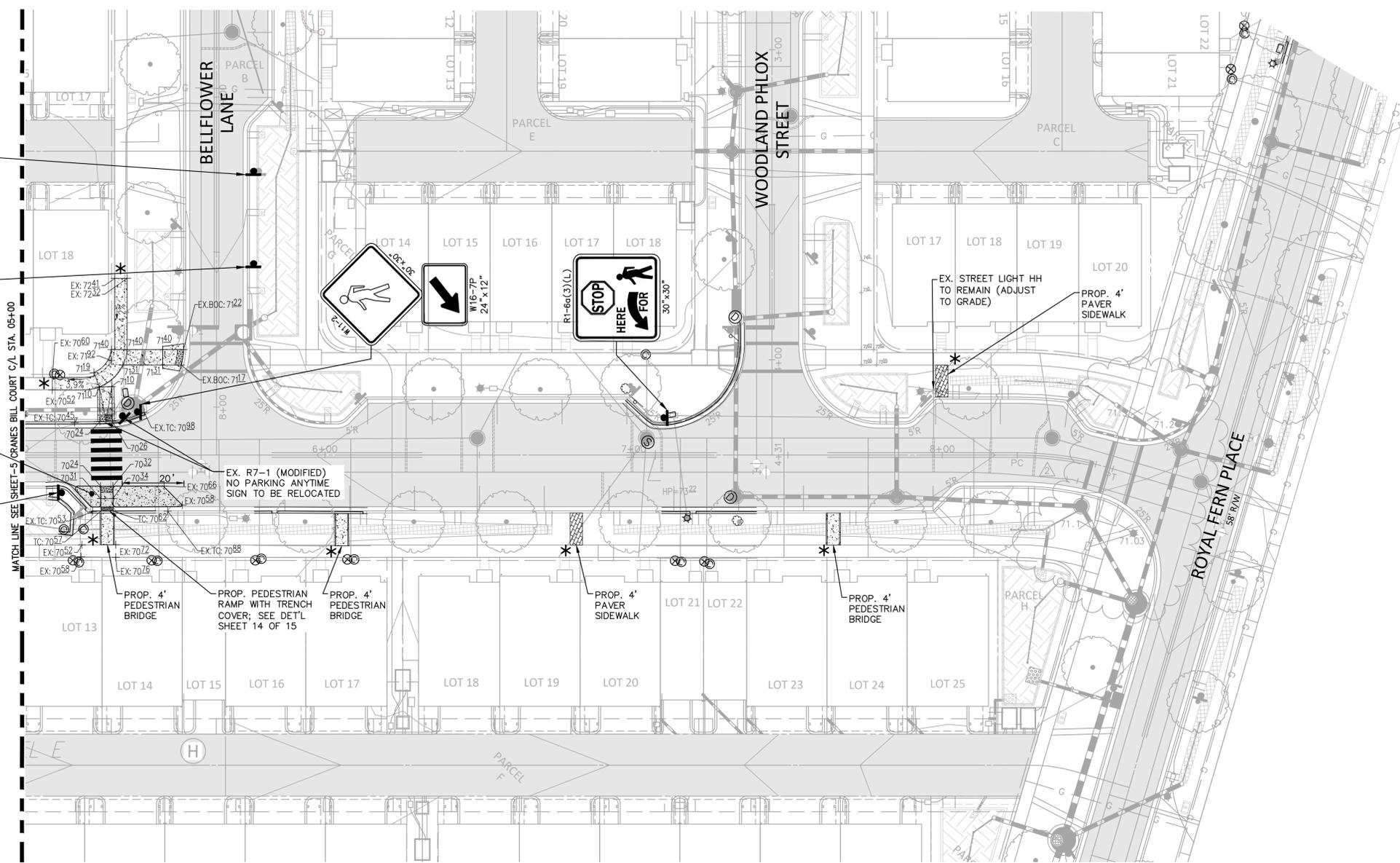
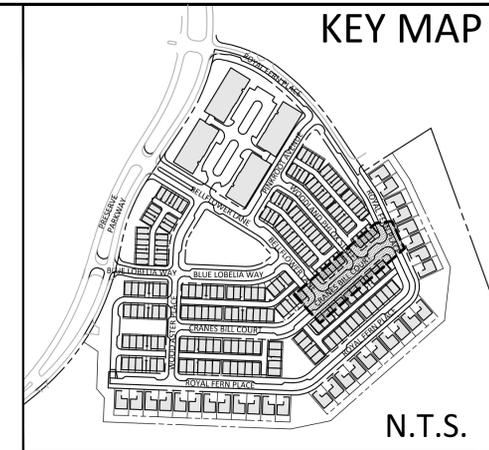
DESIGN PLAN APPROVAL	
DIRECTOR OF PUBLIC WORKS	PWK# <u>PWK2025-00053</u> SCP# _____
PLAN APPROVAL DATE	SMP# <u>SMP2025-00019</u> CIP# _____

AS BUILT PLAN APPROVAL	
CHIEF, CONSTRUCTION MANAGEMENT	PLAN APPROVAL DATE

**RESERVE AT TOWER OAKS**  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

STORM DRAIN & PAVING PLAN  
 CRANES BILL COURT STATION 0+00 TO 5+00  
 PLAN VIEW CURB DETAIL

DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. <u>5</u> OF <u>15</u>	FILE #
VKA JOB NO. VM6134			



# CRANES BILL COURT

(66' PUBLIC R/W)

**\*GENERAL NOTE:**  
 INSTALL SIDEWALK OR PAVERS AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE. CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.

**LEGEND:**

- CURB AND GUTTER
- PROP. DETECTABLE WARNING SURFACE
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 4' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TOP OF CURB
- BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST



HORZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929

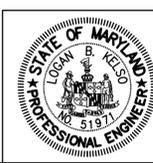
**GRAPHIC SCALE**

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY"

WWW.MISSUTILITY.NET  
 OR  
 1-800-257-7777  
 OR 811  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION

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 Expiration Date: DEC 10, 2025

**LOGAN B. KELSO, P.E.**  
 NAME



DESIGNED	LBK
DRAFTED	GLS
CHECKED	LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF  
**ROCKVILLE**  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL	
DIRECTOR OF PUBLIC WORKS	PWK# <u>PWK2025-00053</u> SCP# _____
PLAN APPROVAL DATE	SMP# <u>SMP2025-00019</u> CIP# _____

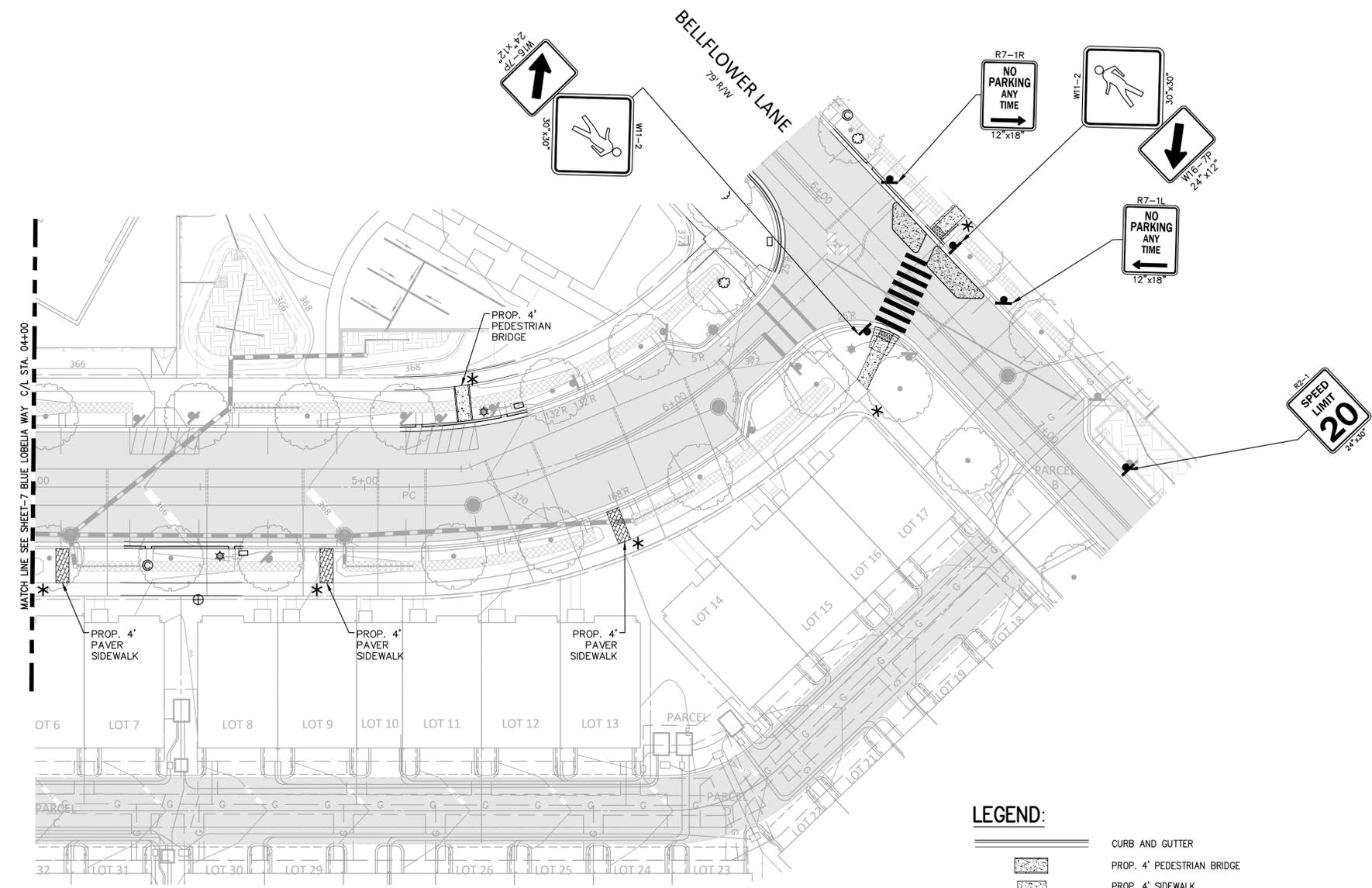
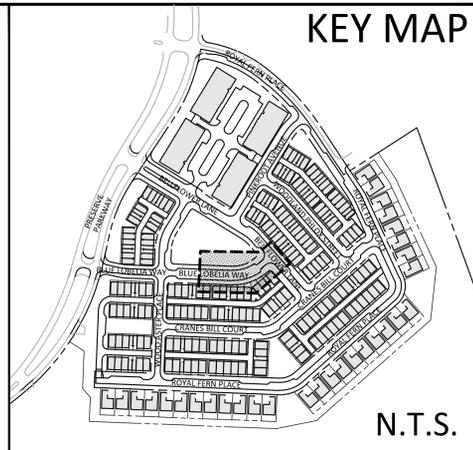
AS BUILT PLAN APPROVAL	
CHIEF, CONSTRUCTION MANAGEMENT	_____
PLAN APPROVAL DATE	_____

**RESERVE AT TOWER OAKS**  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

**STORM DRAIN & PAVING PLAN**  
**CRANES BILL COURT STATION 5+00 TO 8+89.76**  
**PLAN VIEW CURB DETAIL**

DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. <u>6</u>	FILE #
VKA JOB NO. VM6134		OF <u>15</u>	





# BLUE LOBELIA WAY

(66' PUBLIC R/W)

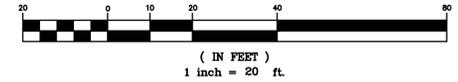
- LEGEND:**
- CURB AND GUTTER
  - PROP. 4' PEDESTRIAN BRIDGE
  - PROP. 4' SIDEWALK
  - PROP. 4' PAVER SIDEWALK
  - TC
  - BC
  - PROPOSED SIGN POST

**\*GENERAL NOTE:**  
 INSTALL SIDEWALK OR PAVERS AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE. CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.



HORZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929

GRAPHIC SCALE



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LOGAN B. KELSO, P.E.  
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NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY"  
 AT WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

DESIGNED: LBK  
 DRAFTED: GLS  
 CHECKED: LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF ROCKVILLE  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL

DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_ PWK# PWK2025-00053 SCP# \_\_\_\_\_  
 SMP# SMP2025-00019 CIP# \_\_\_\_\_

PLAN APPROVAL DATE: \_\_\_\_\_

AS BUILT PLAN APPROVAL

CHIEF, CONSTRUCTION MANAGEMENT: \_\_\_\_\_

PLAN APPROVAL DATE: \_\_\_\_\_

RESERVE AT TOWER OAKS  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

STORM DRAIN & PAVING PLAN  
 BLUE LOBELIA WAY  
 STATION 4+00 TO 6+74.51  
 PLAN VIEW CURB DETAIL

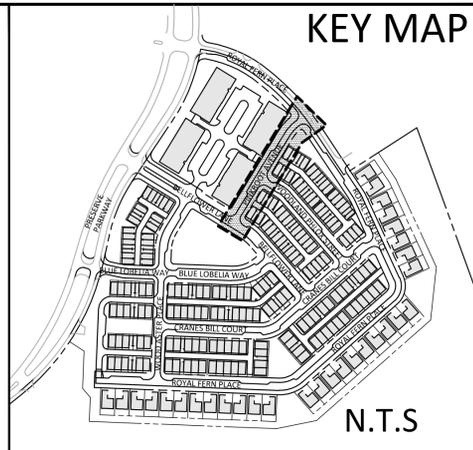
DATE SUBMITTED: 10/2025  
 VKA JOB NO. VM6134

SCALE: 1"=20'

SHEET NO. 8 OF 15

FILE # \_\_\_\_\_

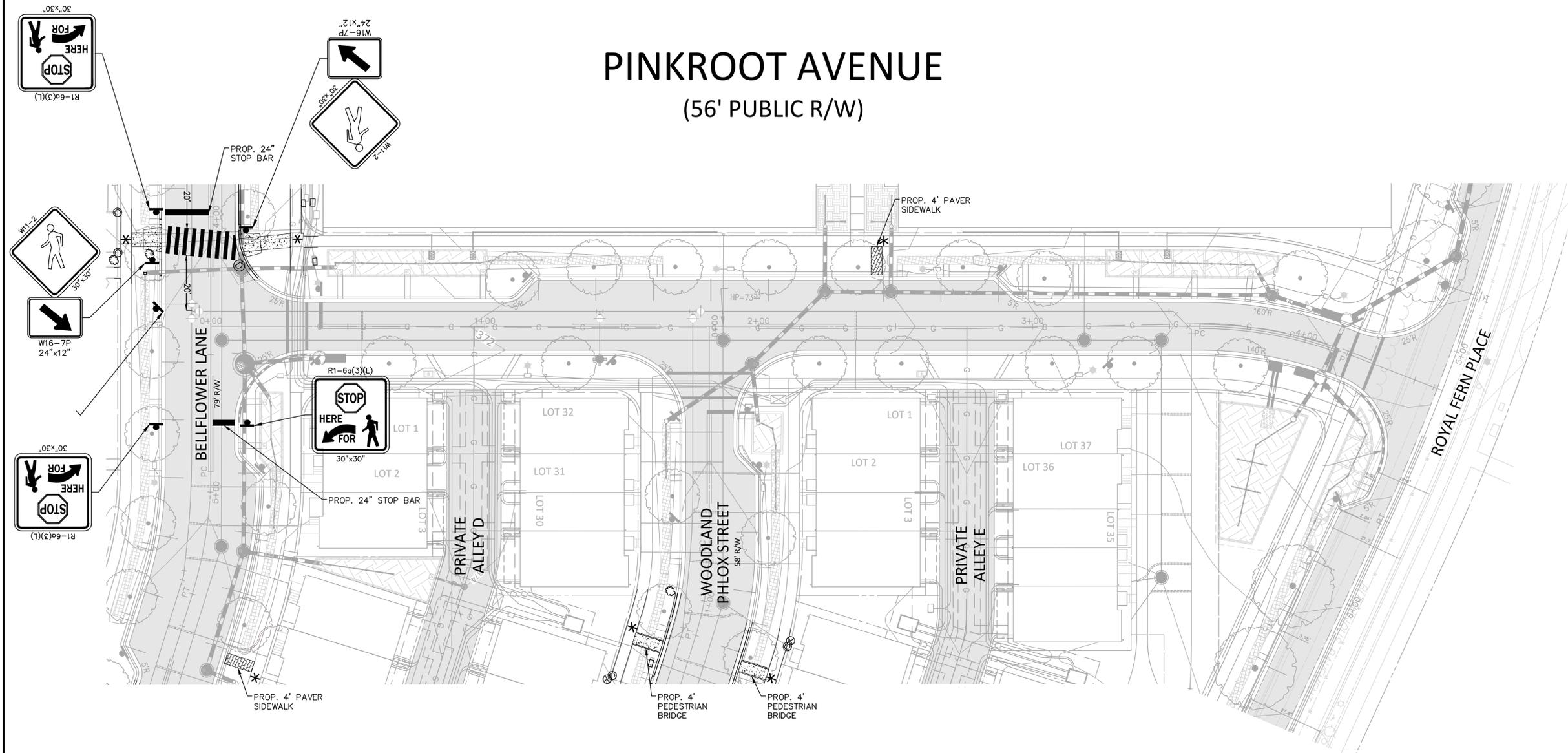
KEY MAP



N.T.S

# PINKROOT AVENUE

(56' PUBLIC R/W)



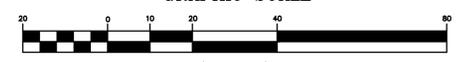
**LEGEND:**

- CURB AND GUTTER
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 5' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TC
- BC
- PROPOSED SIGN POST

**\*GENERAL NOTE:**  
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HORZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929  
**GRAPHIC SCALE**



( IN FEET )  
 1 inch = 20 ft.



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LOGAN B. KELSO, P.E.  
 NAME



NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

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 WWW.MISSUTILITY.NET  
 OR  
 1-800-257-7777  
 OR 811  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION

DESIGNED: LBK  
 DRAFTED: GLS  
 CHECKED: LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF ROCKVILLE  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL

DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_ PWK# PWK2025-00053 SCP# \_\_\_\_\_  
 PLAN APPROVAL DATE: \_\_\_\_\_ SMP# SMP2025-00019 OIP# \_\_\_\_\_

AS BUILT PLAN APPROVAL

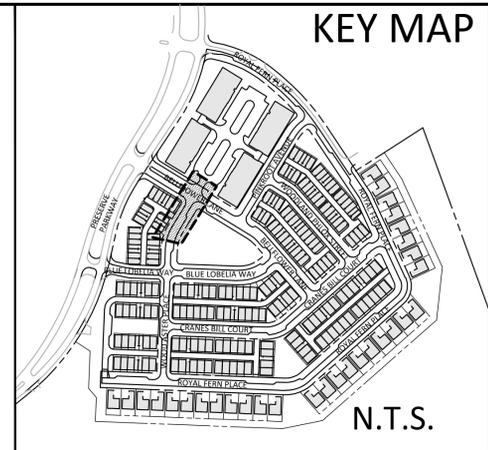
CHIEF, CONSTRUCTION MANAGEMENT: \_\_\_\_\_  
 PLAN APPROVAL DATE: \_\_\_\_\_

**RESERVE AT TOWER OAKS**  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

STORM DRAIN & PAVING PLAN  
 PINKROOT AVENUE STATION  
 PLAN VIEW CURB DETAIL

DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. 9	FILE #
VKA JOB NO. VM6134		OF 15	

K:\3001-9999\0134\CONSTRUCTION\PILOT\_SHEETS\Sheetwork\_Improvements (New PWK)\0134200\_P\_SDP\_D\_10.dwg - Monday, October 27, 2025 5:37:14 PM



# WOOD ASTER PLACE

(46' PUBLIC R/W)

**LEGEND:**

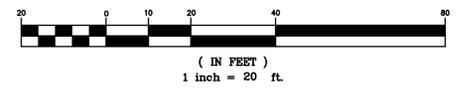
- CURB AND GUTTER
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 5' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TC TOP OF CURB
- BC BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST

**\*GENERAL NOTE:**  
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HORIZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929

**GRAPHIC SCALE**



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 LOGAN B. KELSO, P.E.  
 NAME

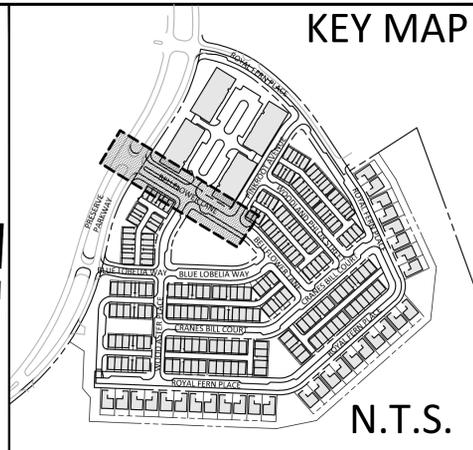


NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" AT WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

	DESIGNED LBK	DEPARTMENT OF PUBLIC WORKS	DESIGN PLAN APPROVAL	AS BUILT PLAN APPROVAL	<b>RESERVE AT TOWER OAKS</b> PARCEL P252 LIBER 15897 FOLIO 157 4TH ELECTION DISTRICT ROCKVILLE CITY OF ROCKVILLE, MARYLAND
	DRAFTED GLS	CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DIRECTOR OF PUBLIC WORKS PWK# <u>PWK2025-00053</u> SCP# _____	CHIEF, CONSTRUCTION MANAGEMENT	
	CHECKED LBK		PLAN APPROVAL DATE SMP# <u>SMP2025-00019</u> CIP# _____	PLAN APPROVAL DATE	

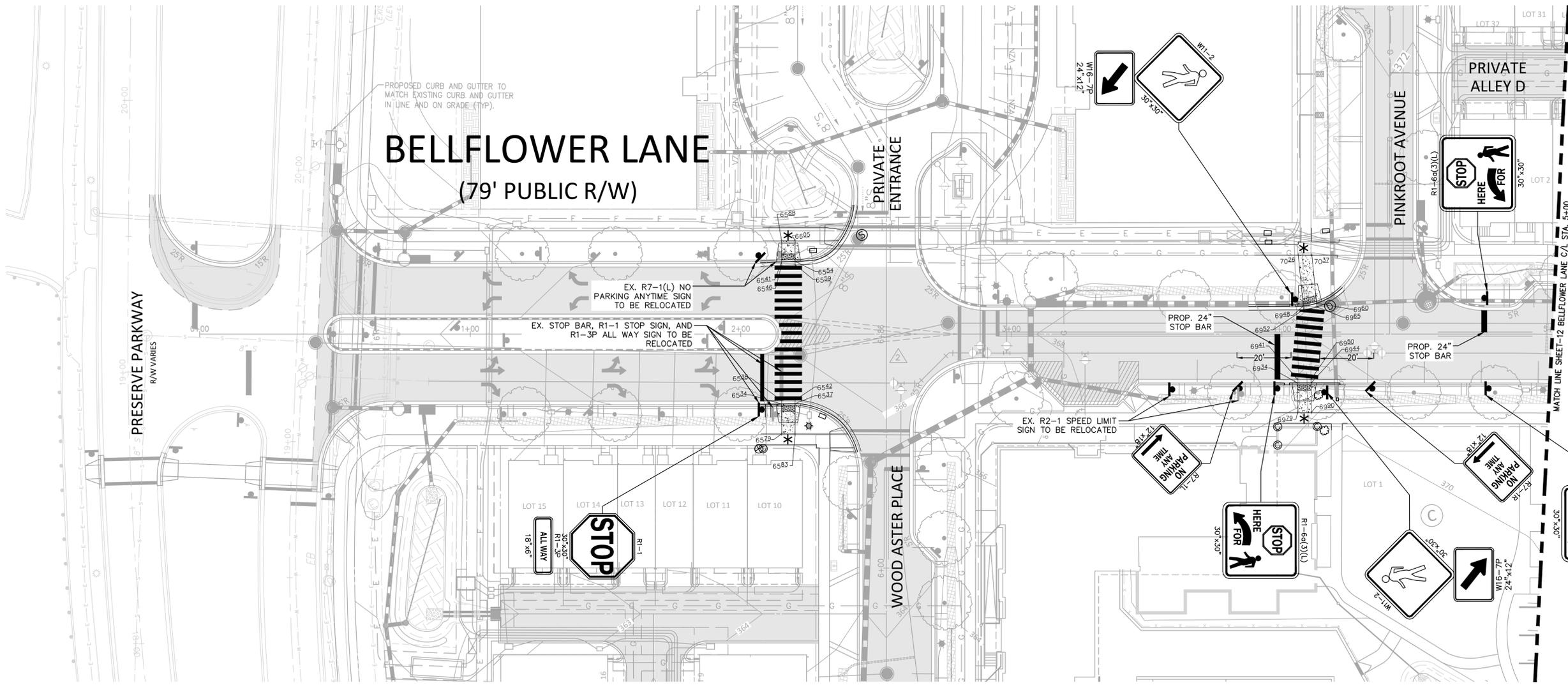
DATE SUBMITTED: 10/2025	SCALE: 1"=20'	SHEET NO. 10 OF 15	FILE #
VKA JOB NO. VM6134			



N.T.S.

# BELLFLOWER LANE

(79' PUBLIC R/W)



**\*GENERAL NOTE:**  
 INSTALL SIDEWALK AT CURB LINE AND EXISTING SIDEWALK IN-LINE AND AT-GRADE.  
 CONTRACTOR TO SAW CUT EITHER SIDE OF CURB AND GUTTER IMPROVEMENTS AT THE NEAREST JOINT.

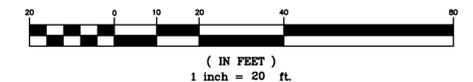
**LEGEND:**

- CURB AND GUTTER
- PROP. DETECTABLE WARNING SURFACE
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 5' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TOP OF CURB
- BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST



HORIZ. DATUM = NAD 83/91  
 VERT. DATUM = NGVD 1929

**GRAPHIC SCALE**



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LOGAN B. KELSO, P.E.  
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NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

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 WWW.MISSUTILITY.NET  
 OR  
 1-800-257-7777  
 OR 811  
 AT LEAST 48 HOURS PRIOR TO EXCAVATION

DESIGNED: LBK  
 DRAFTED: GLS  
 CHECKED: LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF ROCKVILLE  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL

DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_ PWK# PWK2025-00053 SCP# \_\_\_\_\_  
 SMP# SMP2025-00019 CIP# \_\_\_\_\_

PLAN APPROVAL DATE: \_\_\_\_\_

AS BUILT PLAN APPROVAL

CHIEF, CONSTRUCTION MANAGEMENT: \_\_\_\_\_

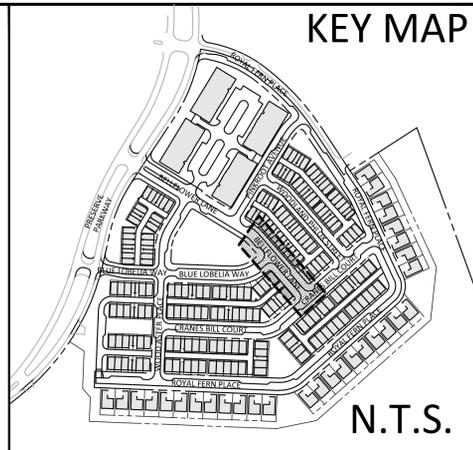
PLAN APPROVAL DATE: \_\_\_\_\_

**RESERVE AT TOWER OAKS**  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

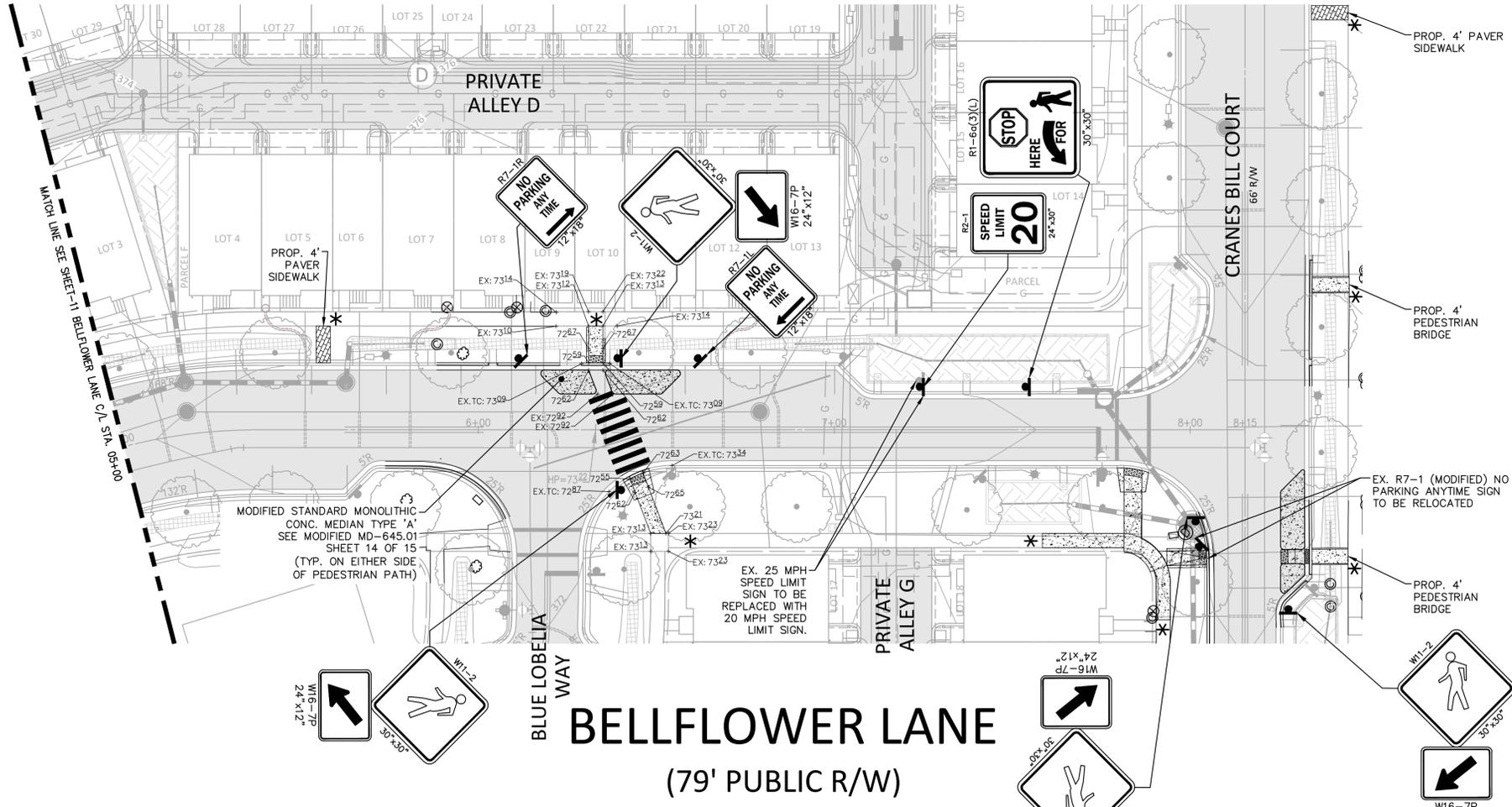
STORM DRAIN & PAVING PLAN  
 BELLFLOWER LANE STATION 0+47 TO 5+00  
 PLAN VIEW CURB DETAIL

DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. <u>11</u> OF <u>15</u>	FILE #
VKA JOB NO. VM6134			

KEY MAP



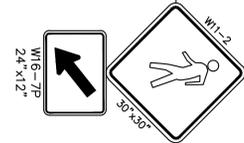
N.T.S.



MODIFIED STANDARD MONOLITHIC CONC. MEDIAN TYPE 'A' SEE MODIFIED MD-645.01 SHEET 14 OF 15 (TYP. ON EITHER SIDE OF PEDESTRIAN PATH)

EX. 25 MPH SPEED LIMIT SIGN TO BE REPLACED WITH 20 MPH SPEED LIMIT SIGN.

EX. R7-1 (MODIFIED) NO PARKING ANYTIME SIGN TO BE RELOCATED



LEGEND:

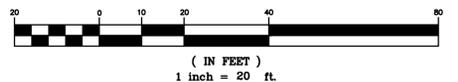
- CURB AND GUTTER
- PROP. DETECTABLE WARNING SURFACE
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 4' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TOP OF CURB
- BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST

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HORZ. DATUM = NAD 83/91  
VERT. DATUM = NGVD 1929

GRAPHIC SCALE



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NAME

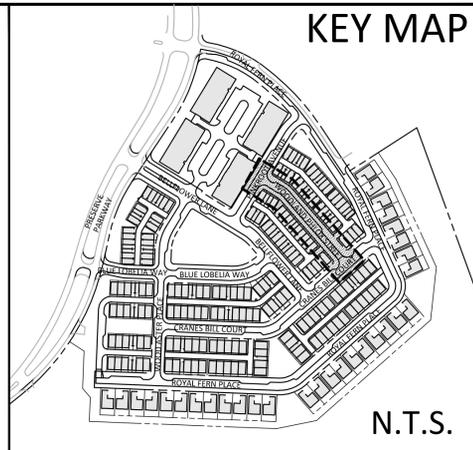


NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

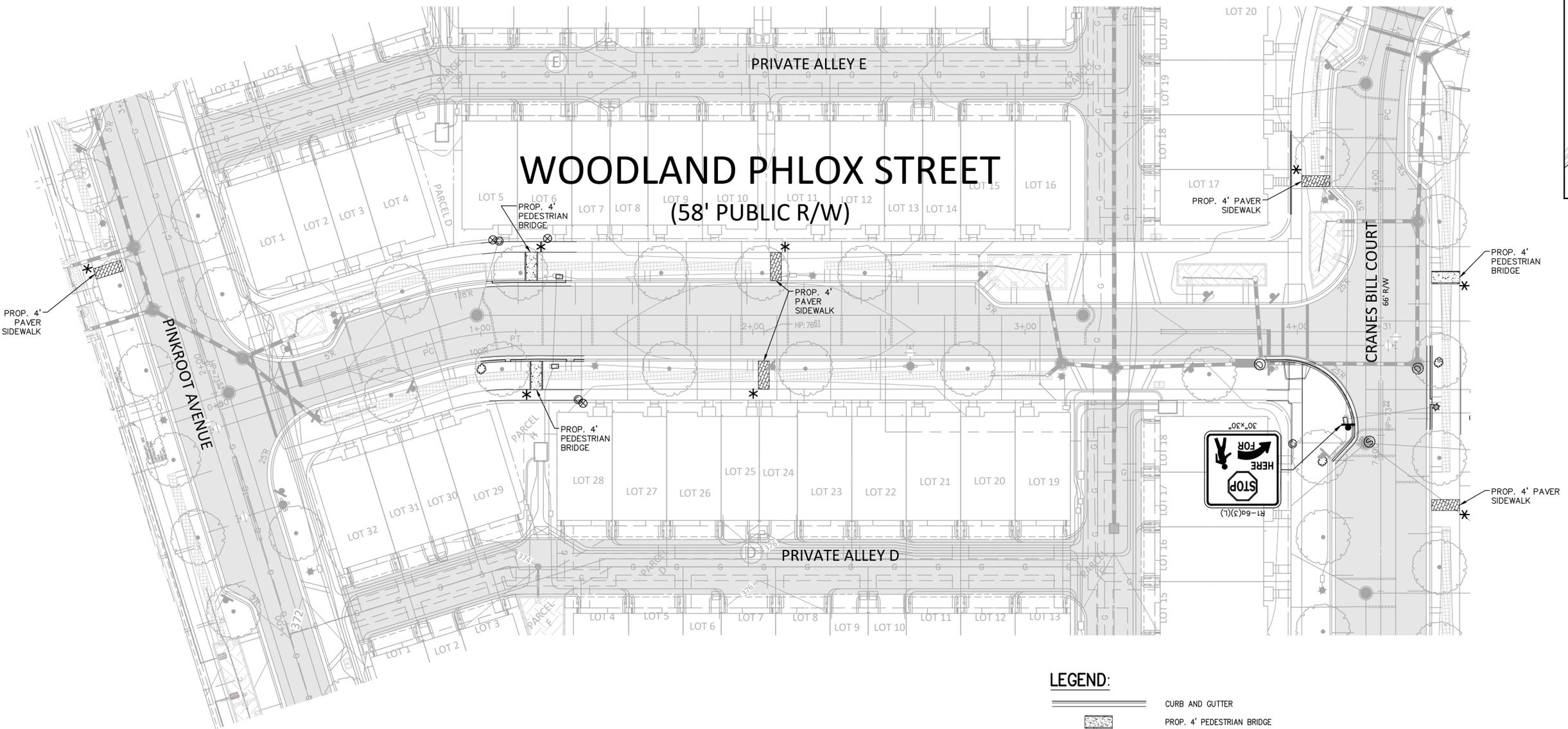
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" AT WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

	DESIGNED LBK	DEPARTMENT OF PUBLIC WORKS CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGN PLAN APPROVAL		AS BUILT PLAN APPROVAL	RESERVE AT TOWER OAKS PARCEL P252 LIBER 15897 FOLIO 157 4TH ELECTION DISTRICT ROCKVILLE CITY OF ROCKVILLE, MARYLAND	STORM DRAIN & PAVING PLAN BELLFLOWER LANE STATION 5+00 TO 8+15.45 PLAN VIEW CURB DETAIL	DATE SUBMITTED: 10/2025	SCALE 1"=20'	SHEET NO. 12	FILE #
	DRAFTED GLS		DIRECTOR OF PUBLIC WORKS	PWK# PWK2025-00053	SCP#			CHIEF, CONSTRUCTION MANAGEMENT	VKA JOB NO. VM6134	OF 15	
CHECKED LBK	PLAN APPROVAL DATE	SMP# SMP2025-00019	CIP#	PLAN APPROVAL DATE							

K:\2001-9999\6134\CONSTRUCTION\PILOT\_SHEETS\Sheetwork\_Improvements (New PWK)\0134200\_P\_SDP\_J\_.JTC.dwg - Monday, October 27, 2025 5:44:45 PM



# WOODLAND PHLOX STREET (58' PUBLIC R/W)



**LEGEND:**

- CURB AND GUTTER
- PROP. 4' PEDESTRIAN BRIDGE
- PROP. 4' SIDEWALK
- PROP. 4' PAVER SIDEWALK
- TC TOP OF CURB
- BC BOTTOM OF CURB/FLOW LINE
- PROPOSED SIGN POST

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HORZ. DATUM = NAD 83/91  
VERT. DATUM = NGVD 1929

**GRAPHIC SCALE**



( IN FEET )  
1 inch = 20 ft.



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LOGAN B. KELSO, P.E.  
NAME



NO.	REVISIONS AFTER PLAN APPROVAL	P.E. INITIAL	DATE

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DESIGNED LBK  
DRAFTED GLS  
CHECKED LBK

DEPARTMENT OF PUBLIC WORKS  
CITY OF ROCKVILLE  
111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL

DIRECTOR OF PUBLIC WORKS PWK# PWK2025-00053 SCP#  
SMP# SMP2025-00019 CIP#

PLAN APPROVAL DATE

AS BUILT PLAN APPROVAL

CHIEF, CONSTRUCTION MANAGEMENT

PLAN APPROVAL DATE

RESERVE AT TOWER OAKS  
PARCEL P252 LIBER 15897 FOLIO 157  
4TH ELECTION DISTRICT ROCKVILLE  
CITY OF ROCKVILLE, MARYLAND

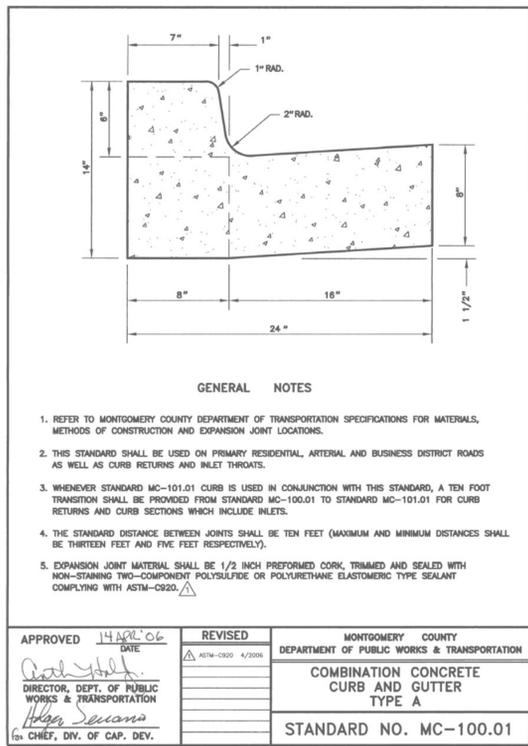
STORM DRAIN & PAVING PLAN  
WOODLAND PHLOX STREET  
STATION 0+00 TO END  
PLAN VIEW CURB DETAIL

DATE SUBMITTED: 10/2025  
VKA JOB NO. VM6134

SCALE 1"=20'

SHEET NO. 13 OF 15

FILE #

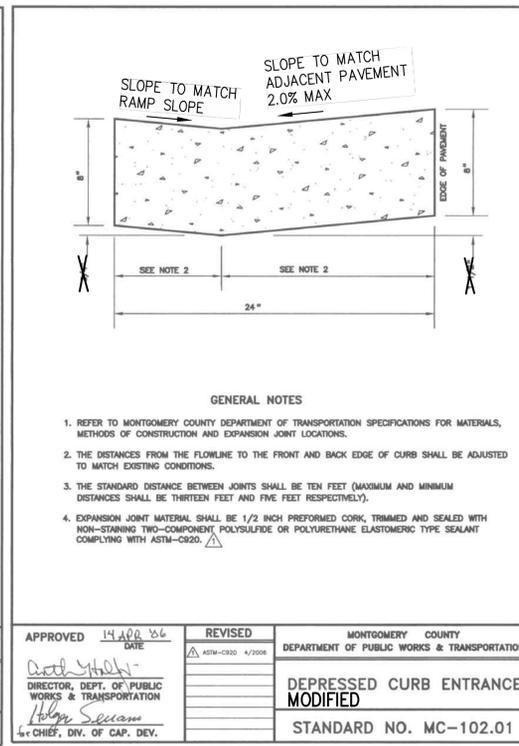


**GENERAL NOTES**

- REFER TO MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR MATERIALS, METHODS OF CONSTRUCTION AND EXPANSION JOINT LOCATIONS.
- THIS STANDARD SHALL BE USED ON PRIMARY RESIDENTIAL, ARTERIAL AND BUSINESS DISTRICT ROADS AS WELL AS CURB RETURNS AND INLET THROATS.
- WHENEVER STANDARD MC-101.01 CURB IS USED IN CONJUNCTION WITH THIS STANDARD, A TEN FOOT TRANSITION SHALL BE PROVIDED FROM STANDARD MC-100.01 TO STANDARD MC-101.01 FOR CURB RETURNS AND CURB SECTIONS WHICH INCLUDE INLETS.
- THE STANDARD DISTANCE BETWEEN JOINTS SHALL BE TEN FEET (MAXIMUM AND MINIMUM DISTANCES SHALL BE THIRTEEN FEET AND FIVE FEET RESPECTIVELY).
- EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH PREFORMED CORK, TRIMMED AND SEALED WITH NON-STAINING TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH ASTM-C920.

APPROVED DATE: 14 APR 06	REVISED DATE: 03M-C920 4/2006	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
COMBINATION CONCRETE CURB AND GUTTER TYPE A		STANDARD NO. MC-100.01

**COMBINATION CONCRETE CURB AND GUTTER TYPE 'A'**

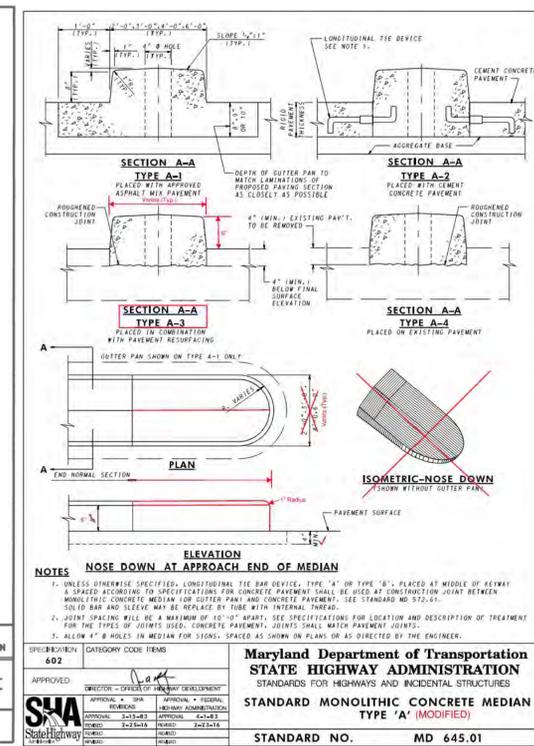


**GENERAL NOTES**

- REFER TO MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR MATERIALS, METHODS OF CONSTRUCTION AND EXPANSION JOINT LOCATIONS.
- THE DISTANCES FROM THE FLOWLINE TO THE FRONT AND BACK EDGE OF CURB SHALL BE ADJUSTED TO MATCH EXISTING CONDITIONS.
- THE STANDARD DISTANCE BETWEEN JOINTS SHALL BE TEN FEET (MAXIMUM AND MINIMUM DISTANCES SHALL BE THIRTEEN FEET AND FIVE FEET RESPECTIVELY).
- EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH PREFORMED CORK, TRIMMED AND SEALED WITH NON-STAINING TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH ASTM-C920.

APPROVED DATE: 14 APR 06	REVISED DATE: 03M-C920 4/2006	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
DEPRESSED CURB ENTRANCE MODIFIED		STANDARD NO. MC-102.01

**MODIFIED DEPRESSED CURB FOR RAMPS**

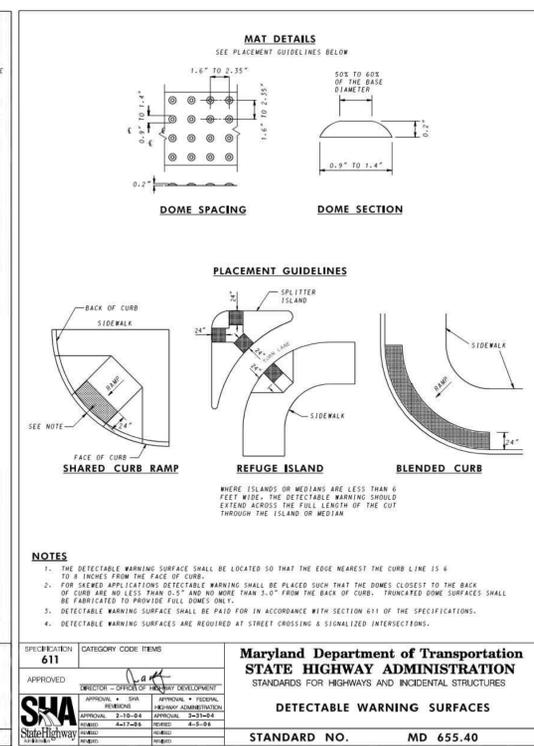


**NOTES**

- UNLESS OTHERWISE SPECIFIED, CONCRETE SHALL BE TYPE 'FC' OR TYPE 'SC' PLACED AT MIDDLE OF MEDIAN SPACED ACCORDING TO SPECIFICATIONS FOR CONCRETE PAVEMENT SHALL BE USED AT CONSTRUCTION JOINT BETWEEN MONOLITHIC CONCRETE MEDIAN AND CONCRETE PAVEMENT. SEE STANDARD MD 572.01.
- JOINT SPACING WILL BE A MAXIMUM OF 10'-0" APART. SEE SPECIFICATIONS FOR LOCATION AND DESCRIPTION OF TREATMENT FOR THE TYPES OF JOINTS USED. CONCRETE PAVEMENT JOINTS SHALL MATCH PAVEMENT JOINTS.
- ALLOW 4" HOLES IN MEDIAN FOR SIGNS, SPACED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

APPROVED DATE: 14 APR 06	REVISED DATE: 03M-C920 4/2006	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
STANDARD MONOLITHIC CONCRETE MEDIAN TYPE 'A' (MODIFIED)		STANDARD NO. MD 645.01

**MODIFIED STANDARD MONOLITHIC CONCRETE MEDIAN TYPE 'A'**

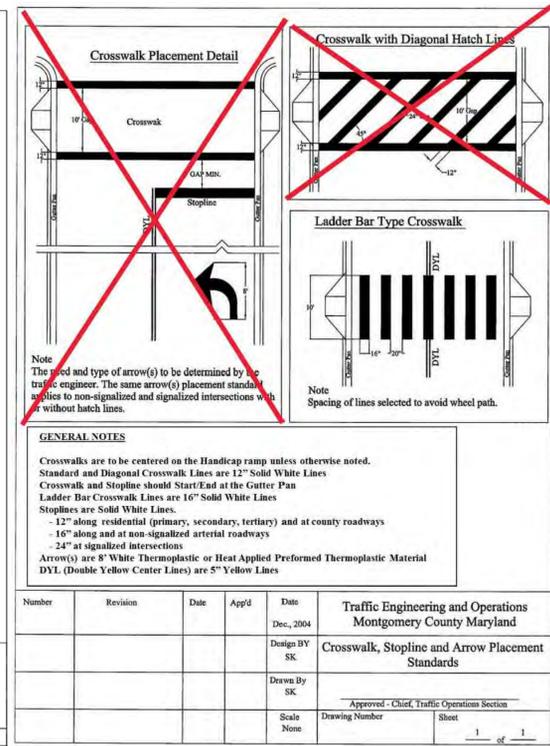


**NOTES**

- THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 4 TO 8 INCHES FROM THE FACE OF CURB.
- FOR ORNAMENTAL DETECTABLE WARNING SURFACES, DETECTABLE WARNING SHALL BE PLACED SUCH THAT THE BOWLS CLOSEST TO THE BACK OF CURB ARE NO LESS THAN 0.5' AND NO MORE THAN 0.15' FROM THE BACK OF CURB. PUNCTURED DOME SURFACES SHALL BE FABRICATED TO PROVIDE FULL DOME ONLY.
- DETECTABLE WARNING SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 611 OF THE SPECIFICATIONS.
- DETECTABLE WARNING SURFACES ARE REQUIRED AT STREET CROSSING A SIGNALIZED INTERSECTION.

APPROVED DATE: 14 APR 06	REVISED DATE: 03M-C920 4/2006	MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
DETECTABLE WARNING SURFACES		STANDARD NO. MD 655.40

**DETECTABLE WARNING SURFACE FOR RAMPS**



**GENERAL NOTES**

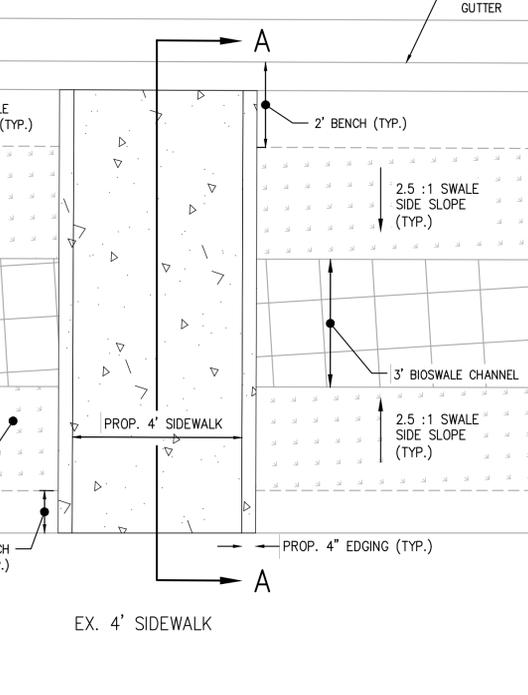
Crosswalks are to be centered on the Handicap ramp unless otherwise noted. Standard and Diagonal Crosswalk Lines are 12" Solid White Lines. Crosswalk and Stoptine should Start/End at the Gutter Pan. Ladder Bar Crosswalk Lines are 16" Solid White Lines. Stoptines are Solid White Lines.

- 12" along residential (primary, secondary, tertiary) and at county roadways
- 16" along and at non-signalized arterial roadways
- 24" at signalized intersections

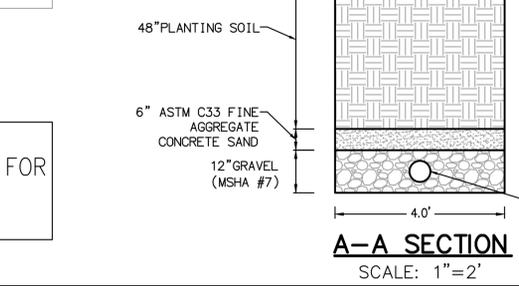
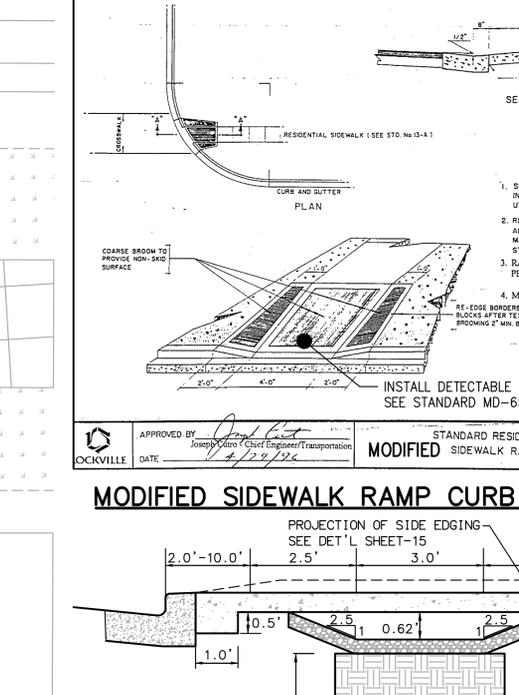
Arrow(s) are 8" White Thermoplastic or Heat Applied Preformed Thermoplastic Material. DYI (Double Yellow Center Lines) are 5" Yellow Lines.

Number	Revision	Date	App'd	Date	Dec, 2004	Traffic Engineering and Operations Montgomery County Maryland
Design By SK					Crosswalk, Stoptine and Arrow Placement Standards	
Drawn By SK					Approved - Chief, Traffic Operations Section	
Scale None					Drawing Number 1 of 1	

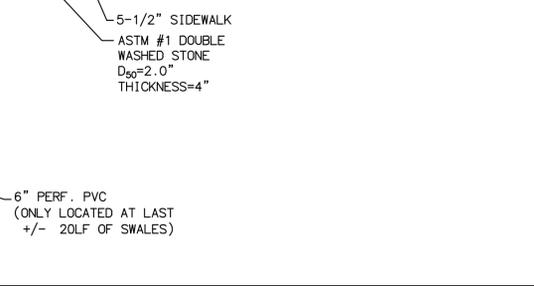
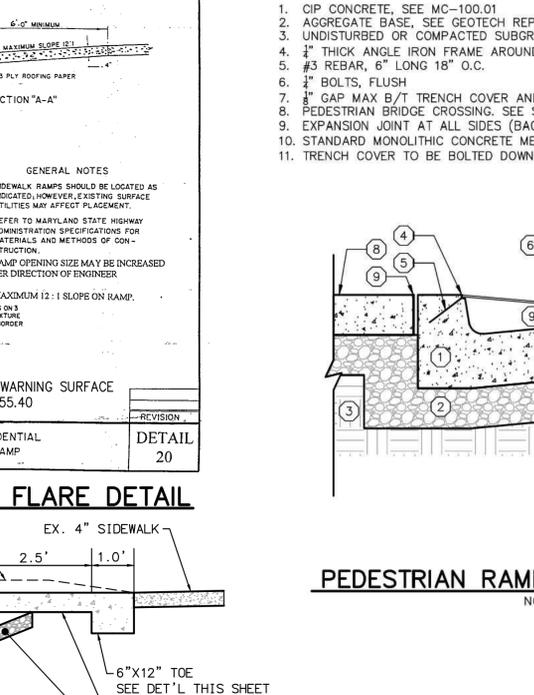
**CONTINENTAL STYLE CROSSWALK DETAIL**



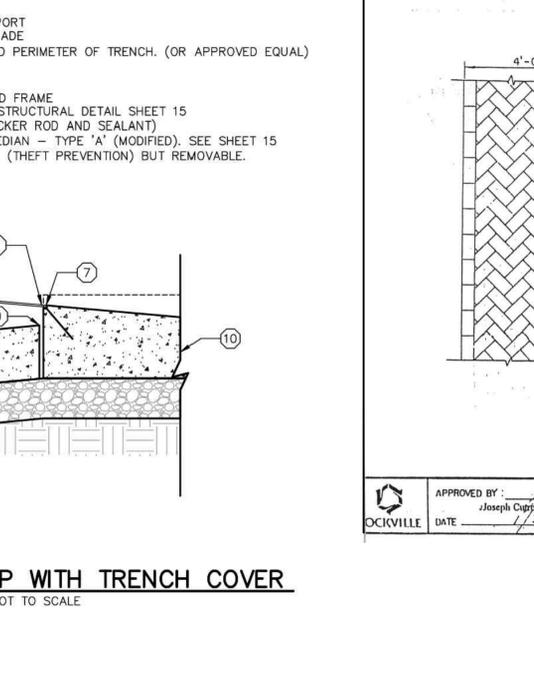
**TYPICAL 4' SIDEWALK PEDESTRIAN BRIDGE CROSSING EXISTING BIO SWALE**  
SCALE: 1"=2'



**APPROVED** DATE: 4/24/06  
**REVISION** 20  
**DETAIL** 20  
**MODIFIED STANDARD RESIDENTIAL SIDEWALK RAMP**



**APPROVED** DATE: 4/24/06  
**REVISION** 20  
**DETAIL** 20  
**MODIFIED STANDARD RESIDENTIAL SIDEWALK RAMP**



**APPROVED** DATE: 1/24/08  
**REVISION** 23  
**DETAIL** 23  
**Brick Sidewalk - Historic District**

**NOTE:** REFER TO SHEET-15 FOR PEDESTRIAN BRIDGE STRUCTURAL DETAIL.

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

**DESIGNED** LBK  
**DRAFTED** GLS  
**CHECKED** LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF ROCKVILLE  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL  
 AS BUILT PLAN APPROVAL

DIRECTOR OF PUBLIC WORKS PWK# PWK2025-00053 SCP#  
 SMP# SMP2025-00019 CIP#

CHIEF, CONSTRUCTION MANAGEMENT  
 PLAN APPROVAL DATE

RESERVE AT TOWER OAKS  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

DETAIL SHEET

DATE SUBMITTED: 10/2025  
 SCALE: AS SHOWN  
 SHEET NO. 14 OF 15  
 FILE #

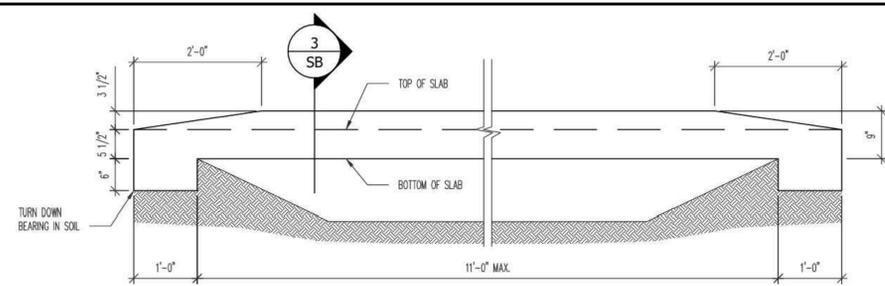
PROFESSIONAL CERTIFICATION:  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 51971, Expiration Date: DEC 10, 2025.  
 LOGAN B. KELSO, P.E.  
 NAME

**I STANDARDS AND CODES**  
 A. DESIGN BUILDING CODE: IBC 2021 AND CITY OF ROCKVILLE AMENDMENTS  
 B. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301, ACI 318 AND ACI 302 LATEST EDITIONS.  
 C. IN ADDITION TO THE REQUIREMENTS INCLUDED IN THESE STRUCTURAL NOTES, ALL CONSTRUCTION AND MATERIALS SHALL FURTHER CONFORM TO THE APPLICABLE PROVISIONS OF THE FOLLOWING STANDARDS:  
 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)  
 2. AMERICAN CONCRETE INSTITUTE (ACI)

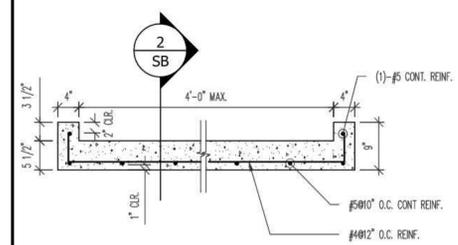
**II DESIGN LOADS**  
 A. CONCRETE SLABS  
 SUPERIMPOSED DEAD LOAD LIVE LOAD TOTAL LOAD  
 a. PEDESTRIAN BRIDGE = - 100 100 + S.W.

**B. FOUNDATION**  
 a. SLAB BEARING IS BASED ON SOIL BEARING PRESSURE OF 1500 PSF.

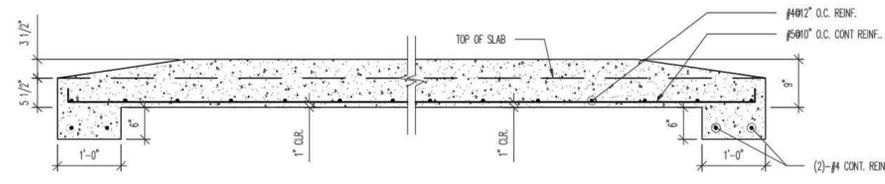
**III CONCRETE**  
 A. STRUCTURAL CONCRETE  
 1. CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS,  $F_c$ (PSI) SHALL BE 4500 PSI  
 2. SLUMP: IN NO CASE SHALL SLUMP EXCEED 8 INCHES.  
 3. STANDARD WEIGHT CONCRETE SHALL NOT EXCEED 150 PCF IN WEIGHT.



**ELEVATION**  
 PEDESTRIAN BRIDGE  
 SCALE: 3/4"=1'-0"  
 1 SB



**SECTION**  
 SCALE: 3/4"=1'-0"  
 3 SB



**SECTION**  
 SCALE: 3/4"=1'-0"  
 2 SB

**ALLIANCE**  
 Structural Engineers, Inc.  
 12355 Sunrise Valley Dr.  
 Suite 220 Reston, VA 20191-3467  
 Tel. (703) 749-7941 Fax (703) 749-7942



Drawing:	PEDESTRIAN BRIDGE	Date:	06/11/2025
Project:	TOWER OAKS	Project No.:	1B-053
Client:	EYA	Scale:	3/4" = 1'-0"
		Drawn:	ASE, INC.
		Drawing No.:	SB OF 1

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" AT WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

DESIGNED: LBK  
 DRAFTED: GLS  
 CHECKED: LBK

DEPARTMENT OF PUBLIC WORKS  
 CITY OF ROCKVILLE  
 111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGN PLAN APPROVAL  
 DIRECTOR OF PUBLIC WORKS  
 PWK# PWK2025-00053 SCP#  
 SMP# SMP2025-00019 CIP#

AS BUILT PLAN APPROVAL  
 CHIEF, CONSTRUCTION MANAGEMENT  
 PLAN APPROVAL DATE

RESERVE AT TOWER OAKS  
 PARCEL P252 LIBER 15897 FOLIO 157  
 4TH ELECTION DISTRICT ROCKVILLE  
 CITY OF ROCKVILLE, MARYLAND

DETAIL SHEET

DATE SUBMITTED:	10/2025	SCALE:	AS SHOWN	SHEET NO.:	15	FILE #	
VKA JOB NO.:	VM6134			OF	15		



K:\2025-18999\0134\CONSTRUCTION\PILOT\_SHEETS\Sheetok\_Improvements (New PWK)\0134000\_P\_PSI.dwg - Friday, October 3, 2025, 3:01:08 PM