

IMPROVEMENT PLANS
FOR
PERKINS TOWNSHIP - STONEWOOD ESTATES
ERIE COUNTY, OHIO

GENERAL NOTES

SPECIFICATIONS:

The current Construction and Material Specifications (CMS) of the State of Ohio Department of Transportation, including any changes and supplemental specifications listed hereon, shall govern this project.

Item numbers referred to herein conform to the State of Ohio Department of Transportation, Construction and Material Specifications, Current Edition.

ELEVATION DATUM

All elevations are based on NAVD '88 (2011) Datum and verified by a Surveyor.

PERMITS

The contractor shall be responsible for obtaining all necessary permits.

UNDERGROUND UTILITIES

The locations of the underground utilities shown on the plans have been obtained by diligent field checks and searches of available records. It is believed that they are essentially correct, but Contractors Design Engineering, nor Perkins Township guarantee their accuracy or completeness. The exact location and projection of the underground utilities are the responsibility of the contractor.

OHIO UTILITY PROTECTION SERVICE:

The contractor shall notify the Ohio Utility Protection Service [800-362-2764] forty-eight [48] hours before his work is in progress and shall make such arrangements as are necessary in the event emergency repairs should become necessary.

LIST OF UTILITIES

Gas	Columbia Gas of Ohio, Inc. 1800 Broad Ave. Findlay, Ohio 45840 Phone: 419-427-3227	Sanitary Sewers & Water Mains	Erie County Department of Environmental Services 554 River Road Huron, Ohio 44839 Phone: 419-433-7303
Telephone	A T & T 130 N. Erie Street, RM 206 Toledo, Ohio 43604 Phone: 419-245-7491	Electric	Ohio Edison Company 2508 W. Perkins Ave. Sandusky, Ohio 44870 Phone: 419-627-6889
Cable T.V.	Buckeye Broadband 2700 Oregon Road Northwood, Ohio 43619	Street & Storm	Perkins Township Highway Dept. 2610 Columbus Ave. Sandusky, Ohio 44870 Phone: 419-609-1400

EXISTING ROADWAY DRAINAGE

Existing roadway ditches, culverts pipes and drives disturbed during construction shall be regraded and replaced to conform to conditions prior to construction and shall be seeded as directed by the Engineer or the Township.

LAWN AREAS:

Existing lawn areas disturbed during construction shall be replaced to a condition equal to or exceeding original condition and as approved by the Engineer or the Township.

EXISTING TREES

Existing trees not indicated for removal shall not be disturbed during construction operations. All cuts or wounds measuring one or more inches in diameter and all exposed wood or scars resulting from this construction shall be painted with an approved paint or tree wound dressing.

ITEM 614, MAINTAINING TRAFFIC

During Construction, the CONTRACTOR to maintain one lane of traffic at all times within the block where Construction is taking place by means of temporary signals and/or flagmen.

At the end of every day and non-working days, the CONTRACTOR will maintain two-way traffic within the Construction areas by moving his equipment off site and/or locating it in such a way that two-way traffic can be maintained in an orderly safe manner by means of a "safety zone", approved by the TOWNSHIP around his equipment.

Length and duration of the lane closures and restrictions shall be at the approval of Perkins Township. It is the intent to minimize the impact to the traveling Public.

The Contractor shall provide, erect and maintain signs, barricades, gates and lights in accordance with ODOT 614 and other applicable portions of the specifications, as well as the Ohio Manual of Uniform Traffic Control Devices. Payment for all labor, equipment and materials shall be included in the Lump Sum price for Item 614 Maintain Traffic, unless separately itemized in the Plan.

UTILITY SERVICES

Relocation or repair of utility services, disturbed by the work will be the responsibility of the contractor. The cost shall be included in the cost of the project.

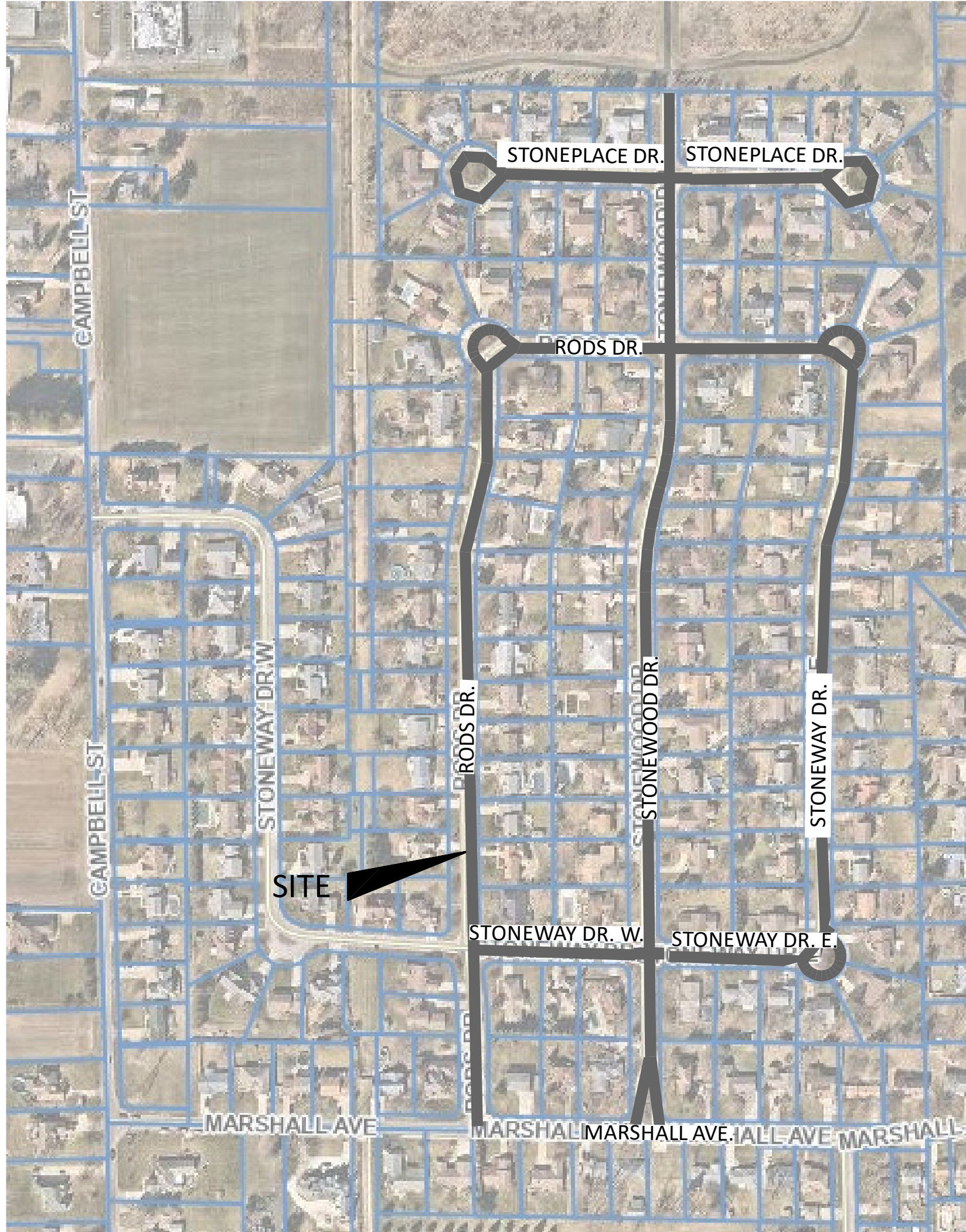
UTILITY POLES

All utility poles within this project that require relocation shall be moved by there respective owners so not as to interfere with the progress of the work.

The contractor shall coordinate with the respective utility owners to provide adequate temporary support when trenching near the remaining utility poles and guy wires.

CONSTRUCTION LAYOUT

All construction layout shall be the responsibility of the contractor.



SITE MAP

Not To Scale

INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2	DETAILS
3	OVERALL SITE, SHEETS LAYOUT
4	SITE LAYOUT - STONEWOOD DRIVE
5	SITE LAYOUT - RODS DRIVE & WEST STONEWAY DRIVE
6	SITE LAYOUT - RODS DRIVE & STONEPLACE DRIVE
7	SITE LAYOUT - EAST STONEWAY DRIVE
8	SITE LAYOUT - EAST STONEWAY DRIVE & STONEPLACE DRIVE

PERKINS TOWNSHIP TRUSTEE'S APPROVAL

I hereby approve these plans

Jeffrey Ferrel
Trustee, Chairperson

Date

Timothy Coleman
Trustee

Date

James Lang
Trustee

Date

PLANS PREPARED BY

Engineer & Surveyor
Contractors Design Engineering, Ltd.
1623 Old State Road
Norwalk, Ohio 44857
Phone: (419) 663-0885
Fax: (419) 663-2805
E-Mail: alex@contractorsdesigneng.com

Alexander B. Etchill

Alexander B. Etchill, P.E., P.S.

the 19th day of February, 2024

UNDERGROUND UTILITIES

TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

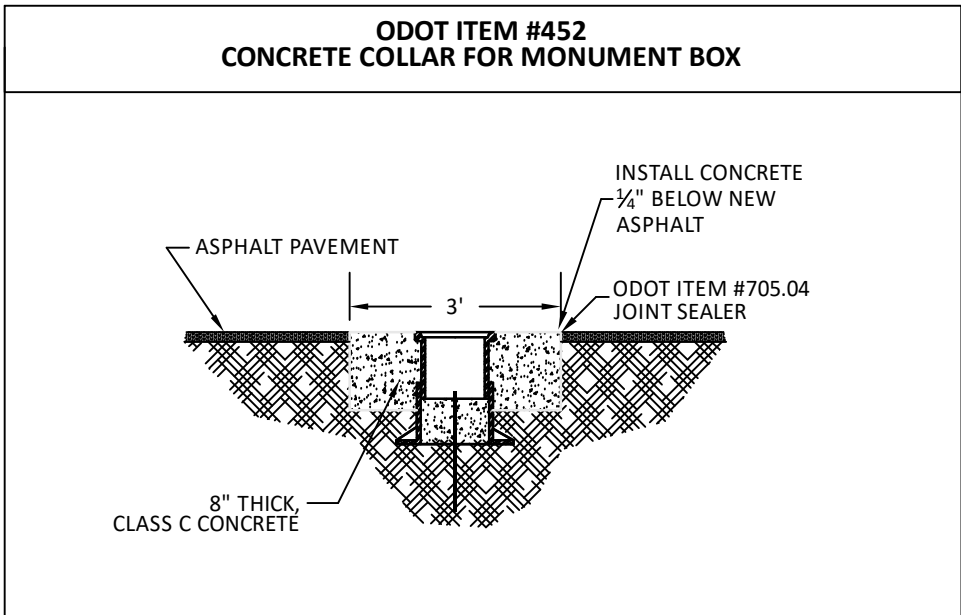
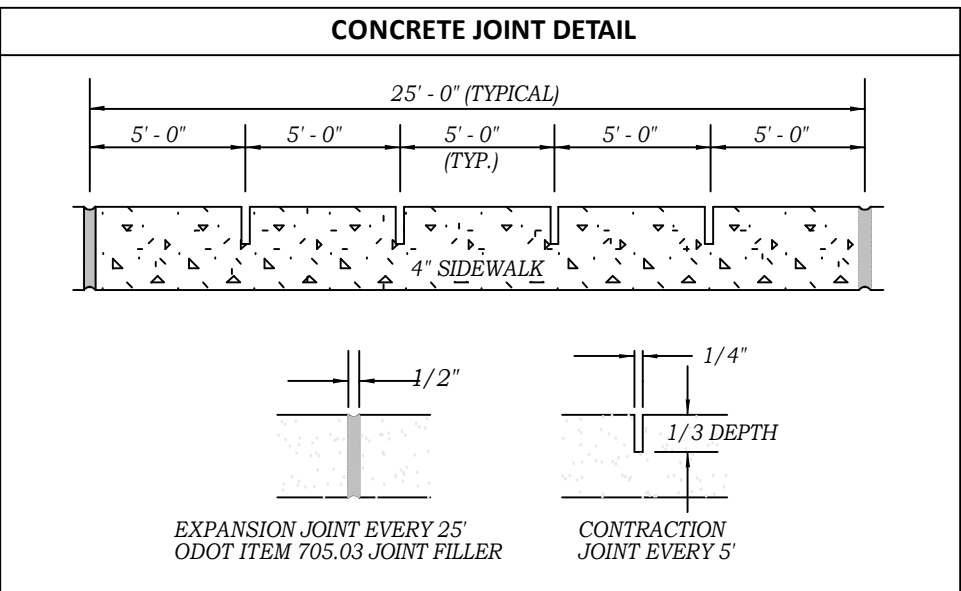
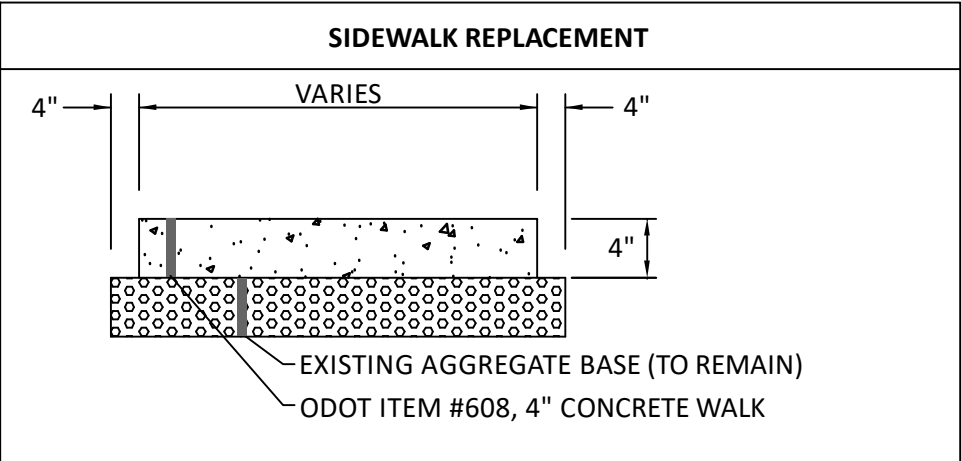
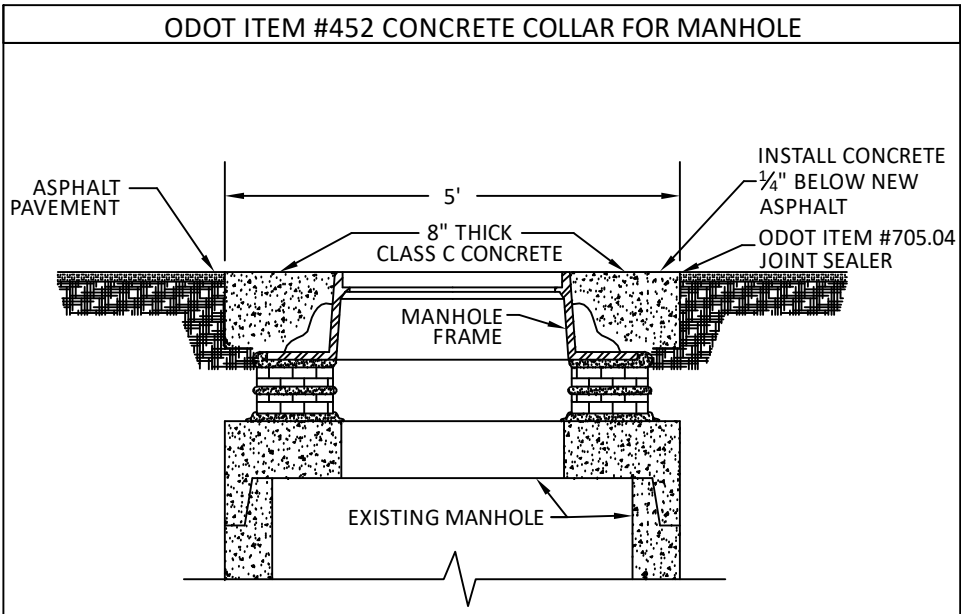
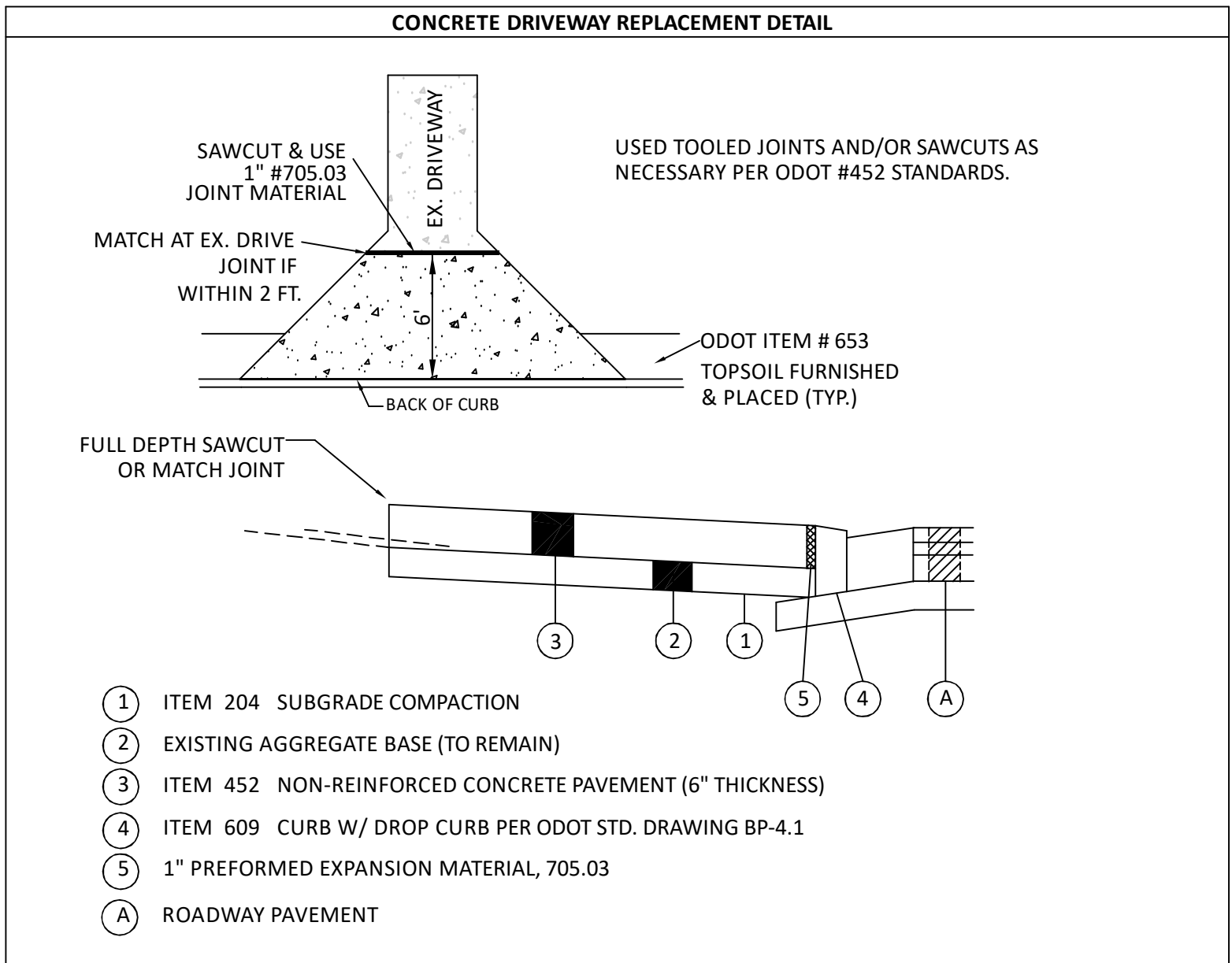
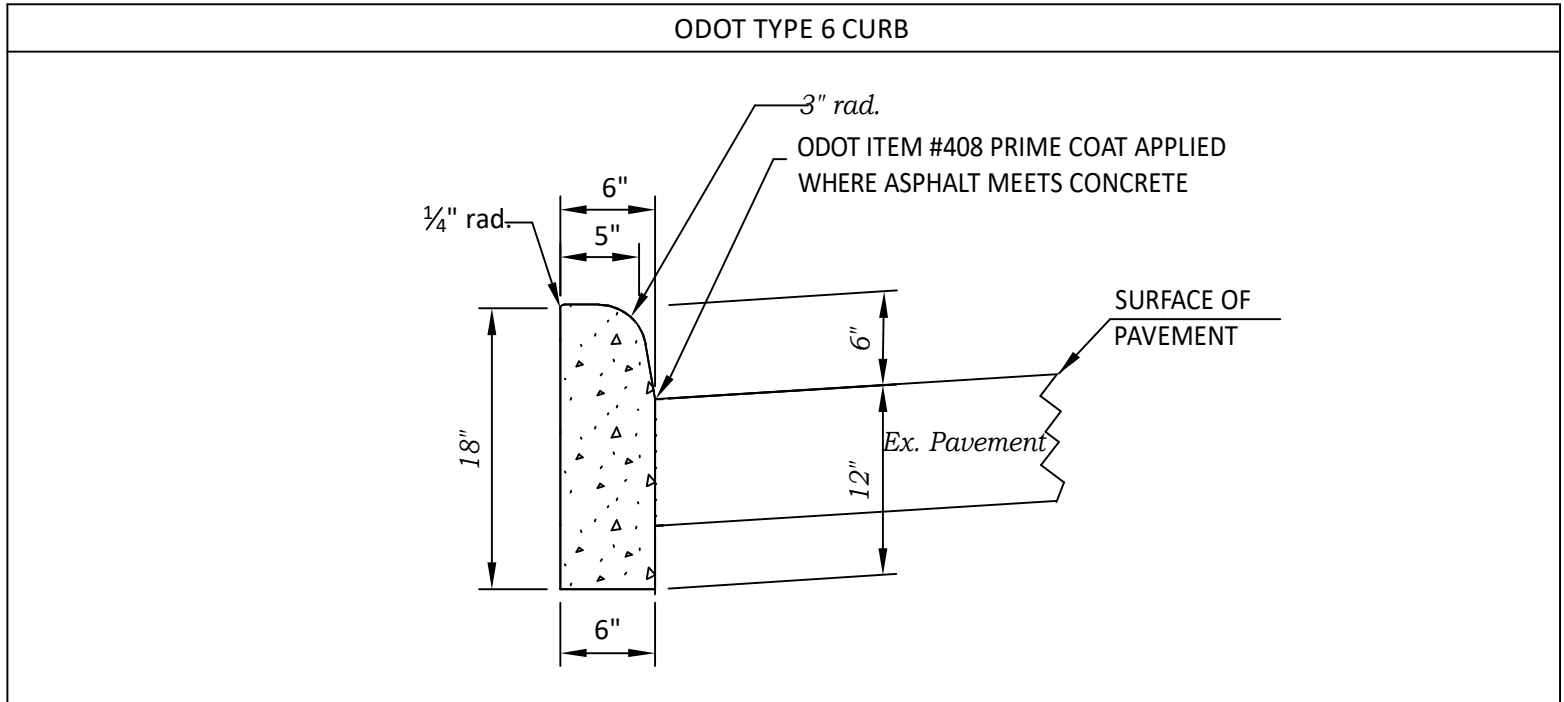
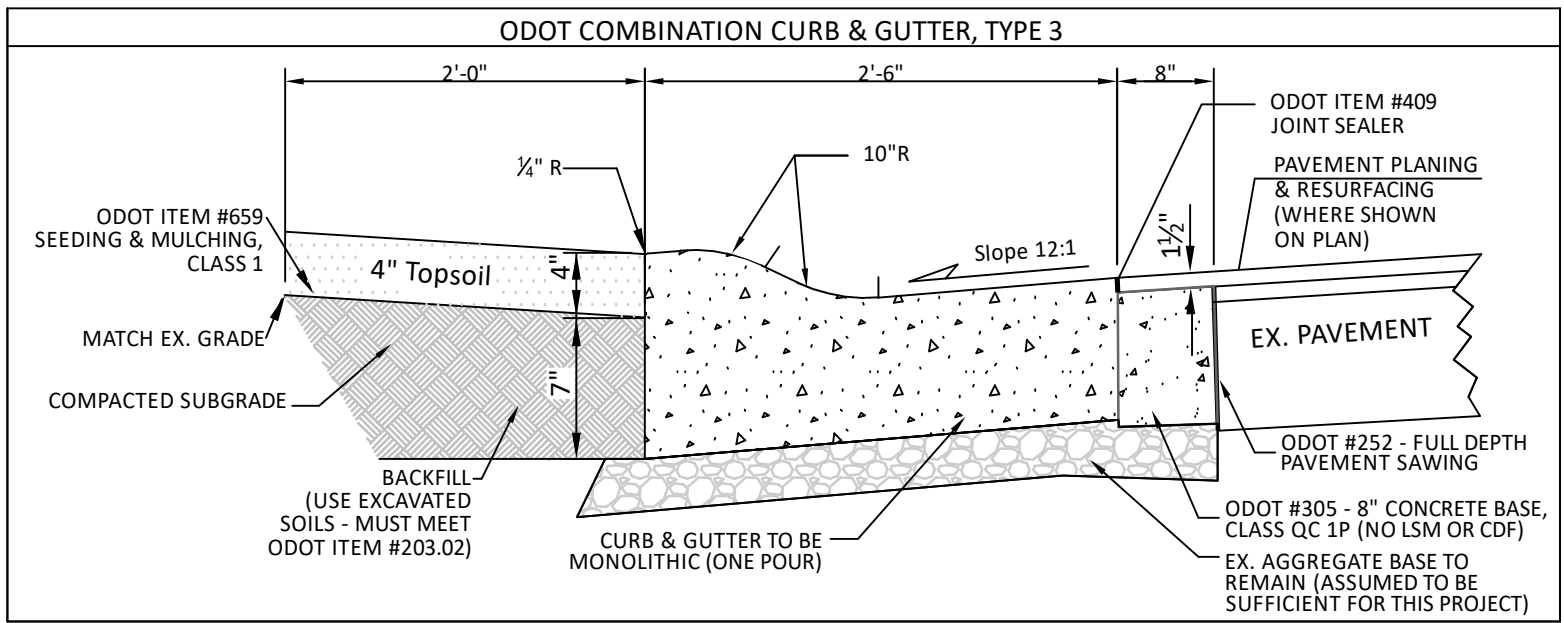
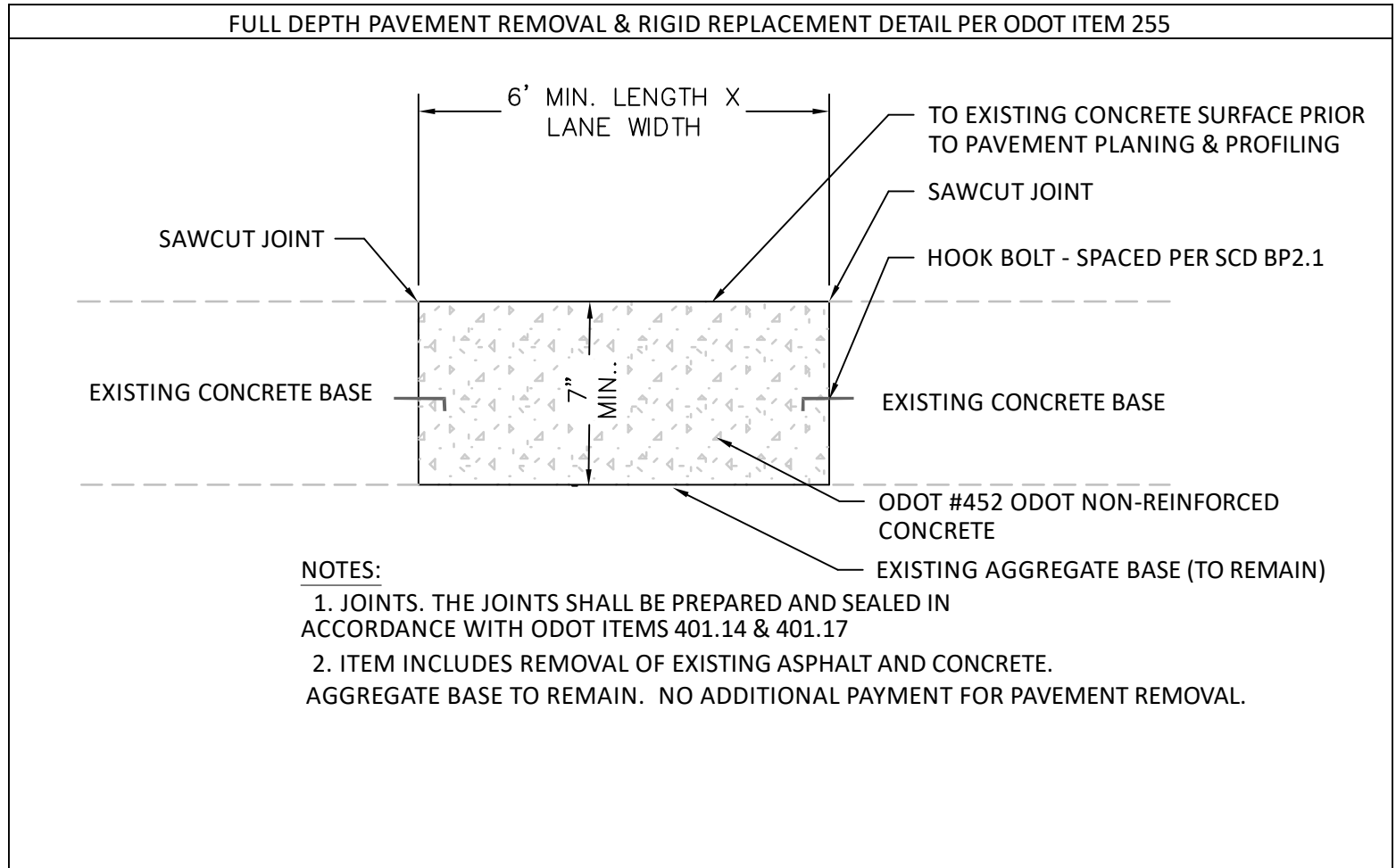
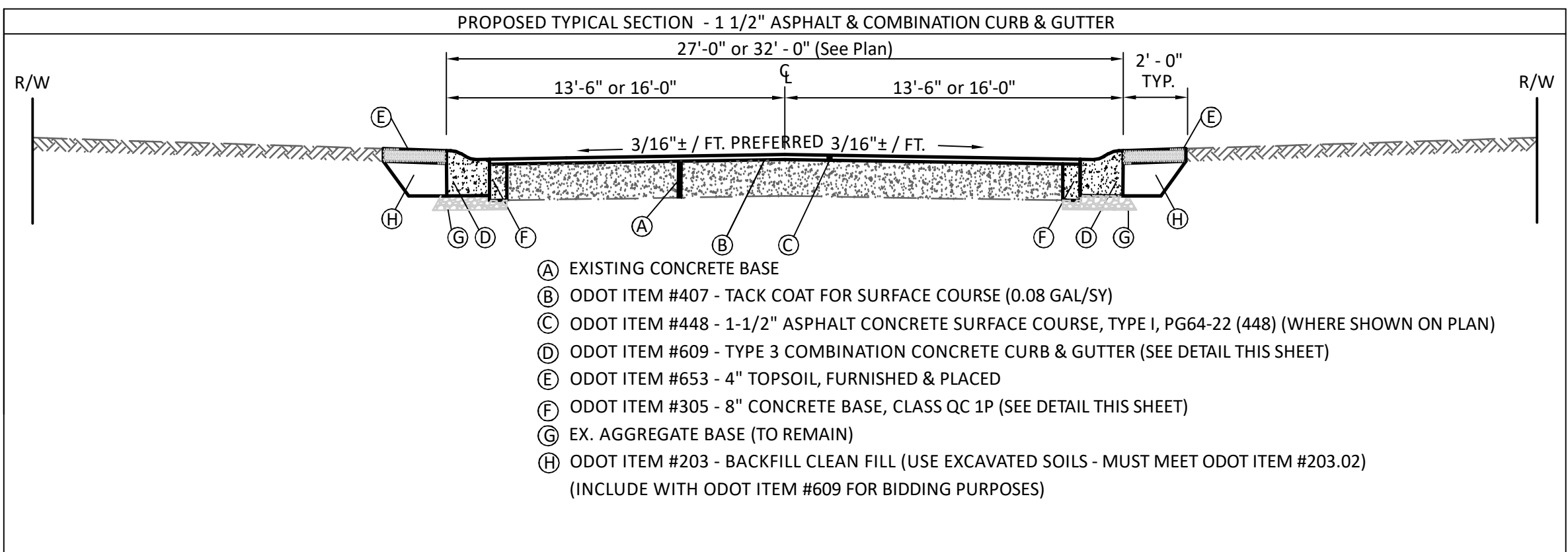
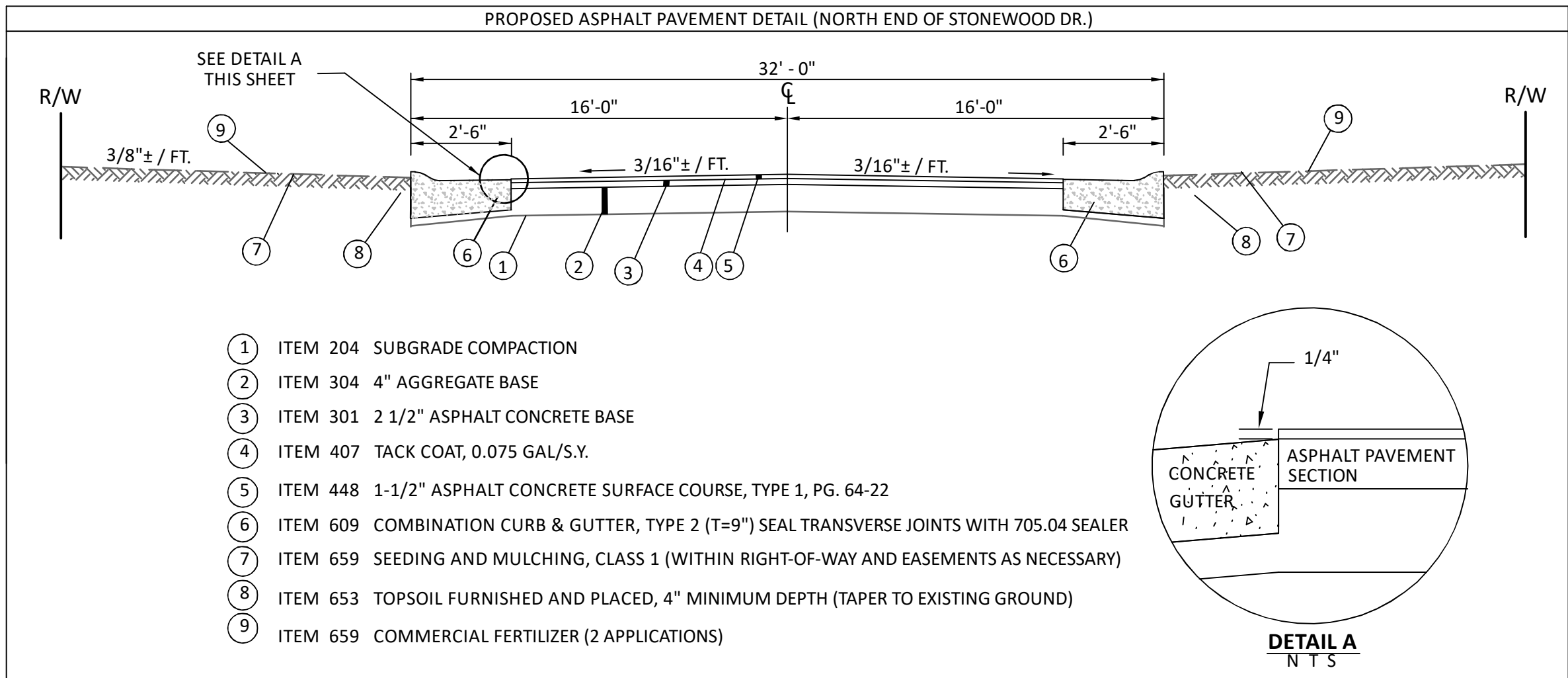
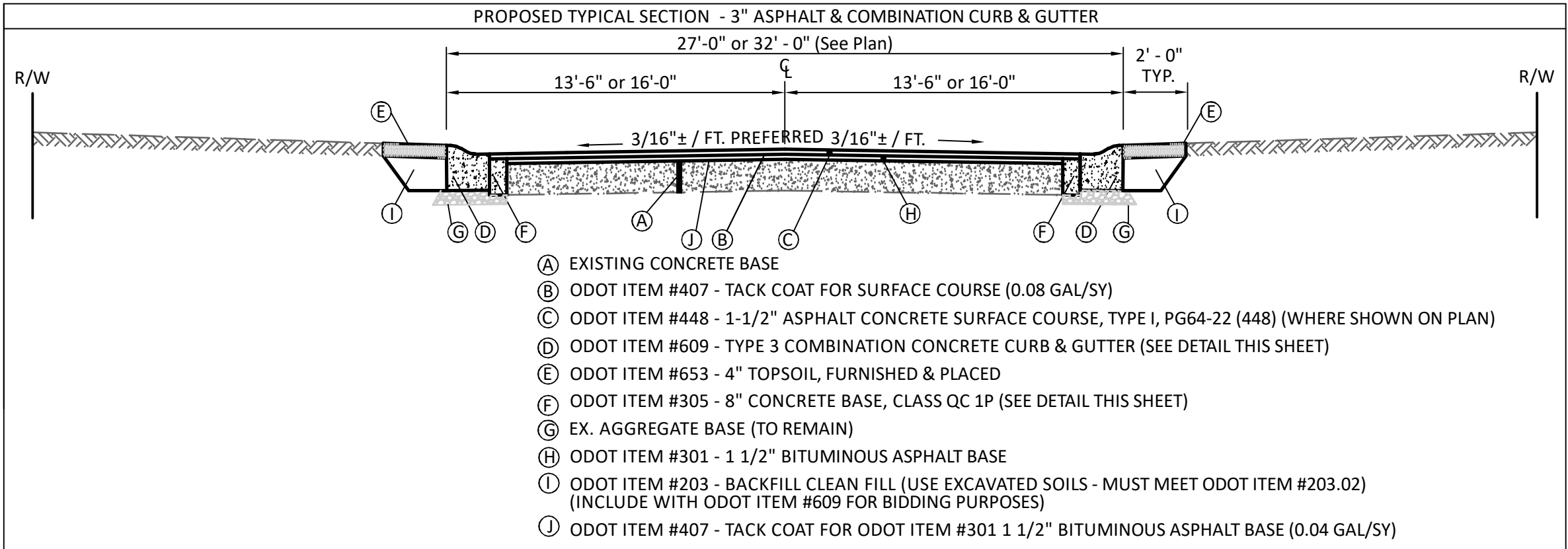
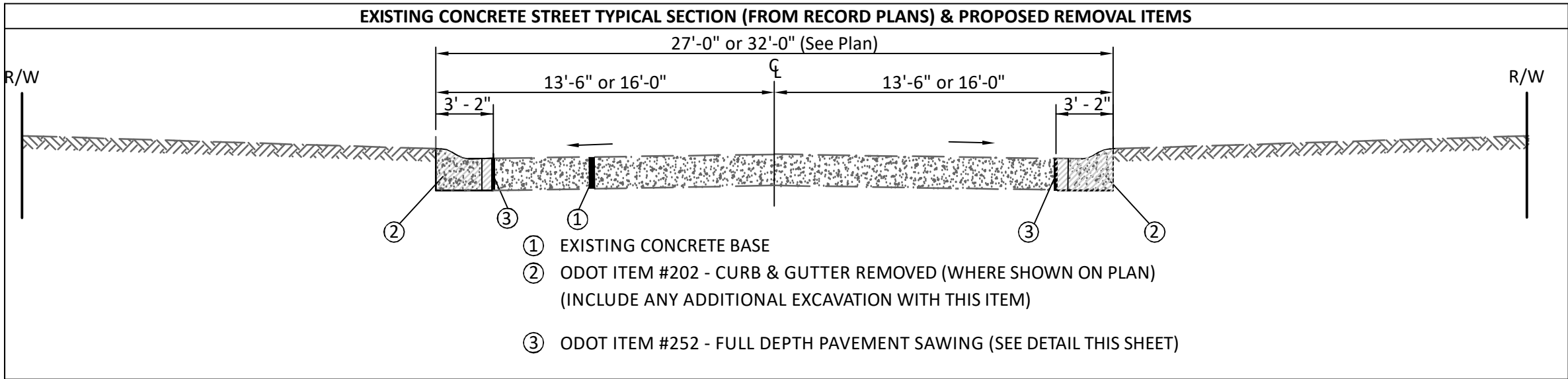
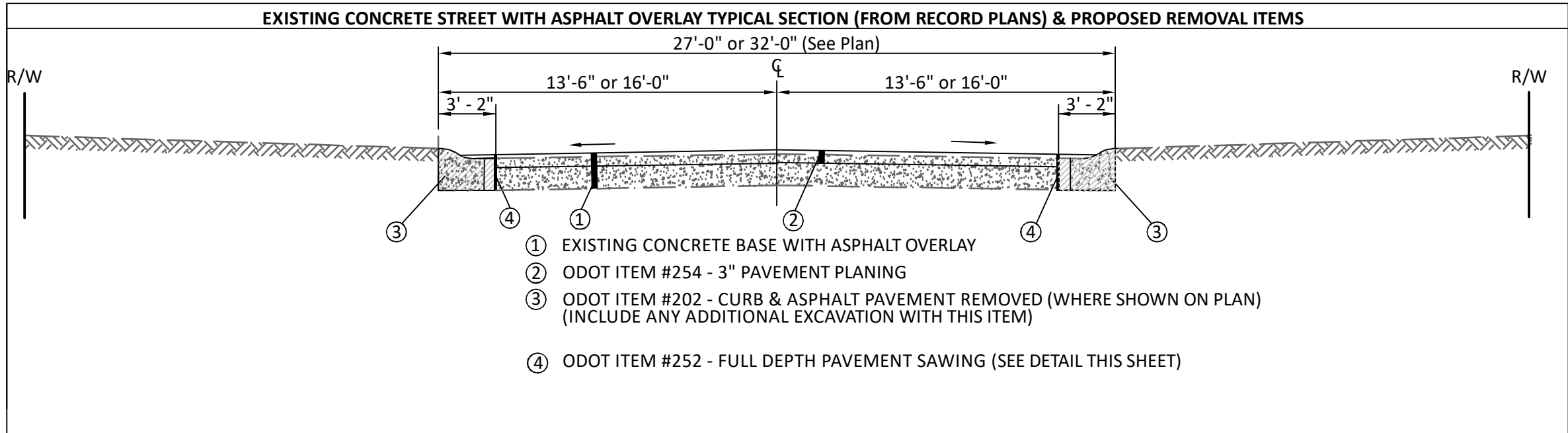


STONEWOOD ESTATES
PAVEMENT IMPROVEMENTS
PERKINS TOWNSHIP, ERIE COUNTY, OHIO
TITLE SHEET

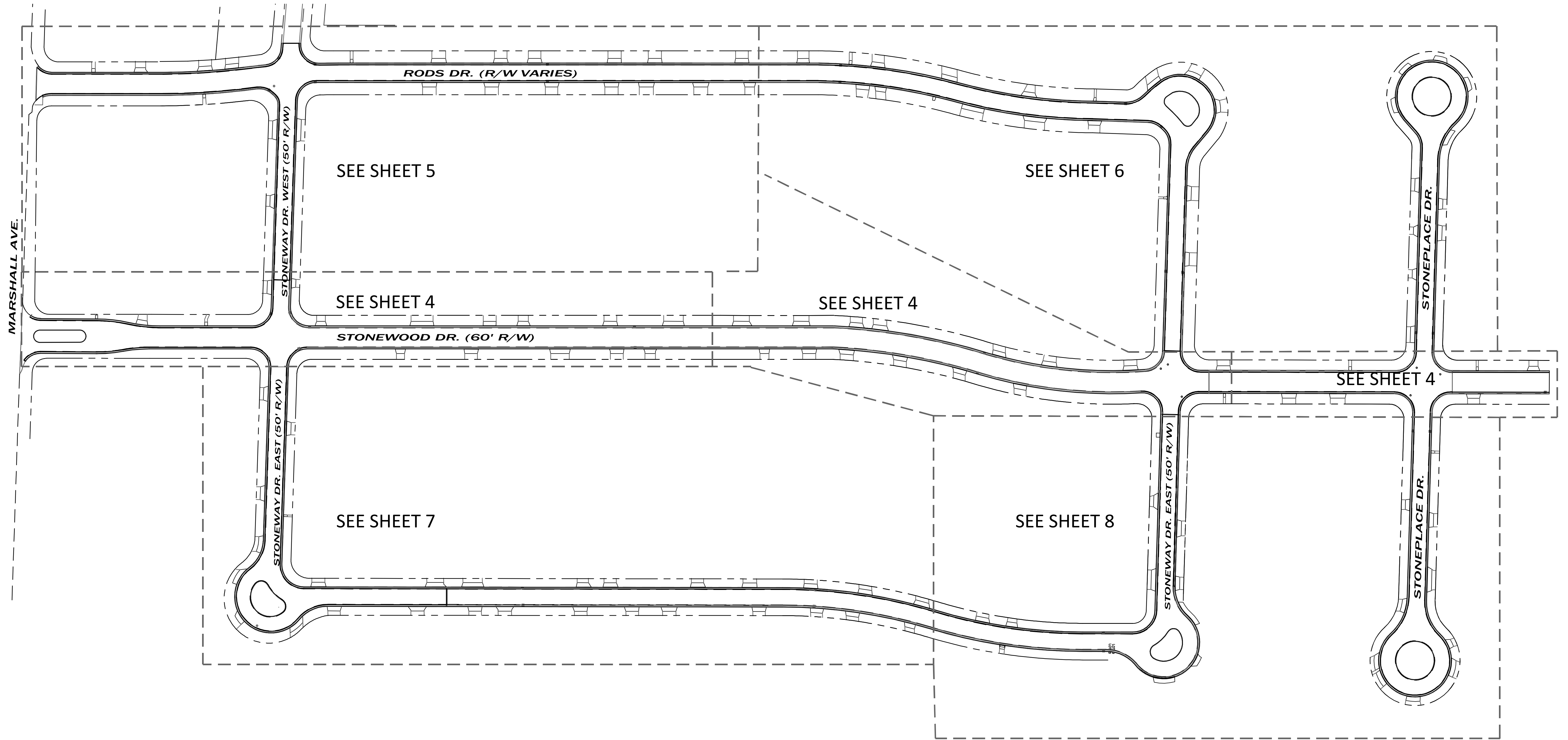
CONTRACTORS
DESIGN ENGINEERING
CONSULTING ENGINEERS & SURVEYORS
NORWALK, OHIO

SCALE: NTS	DATE: FEB., 2024 DR. KNR	BY: ABE REV'D	PROJECT NO. 23-387
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NOTES:
CONTRACTOR TO REMOVE & RELOCATE MAILBOXES AS NECESSARY
CONTRACTOR TO MATCH PAVEMENT AND CURB & GUTTER TO EX. CURB BASINS



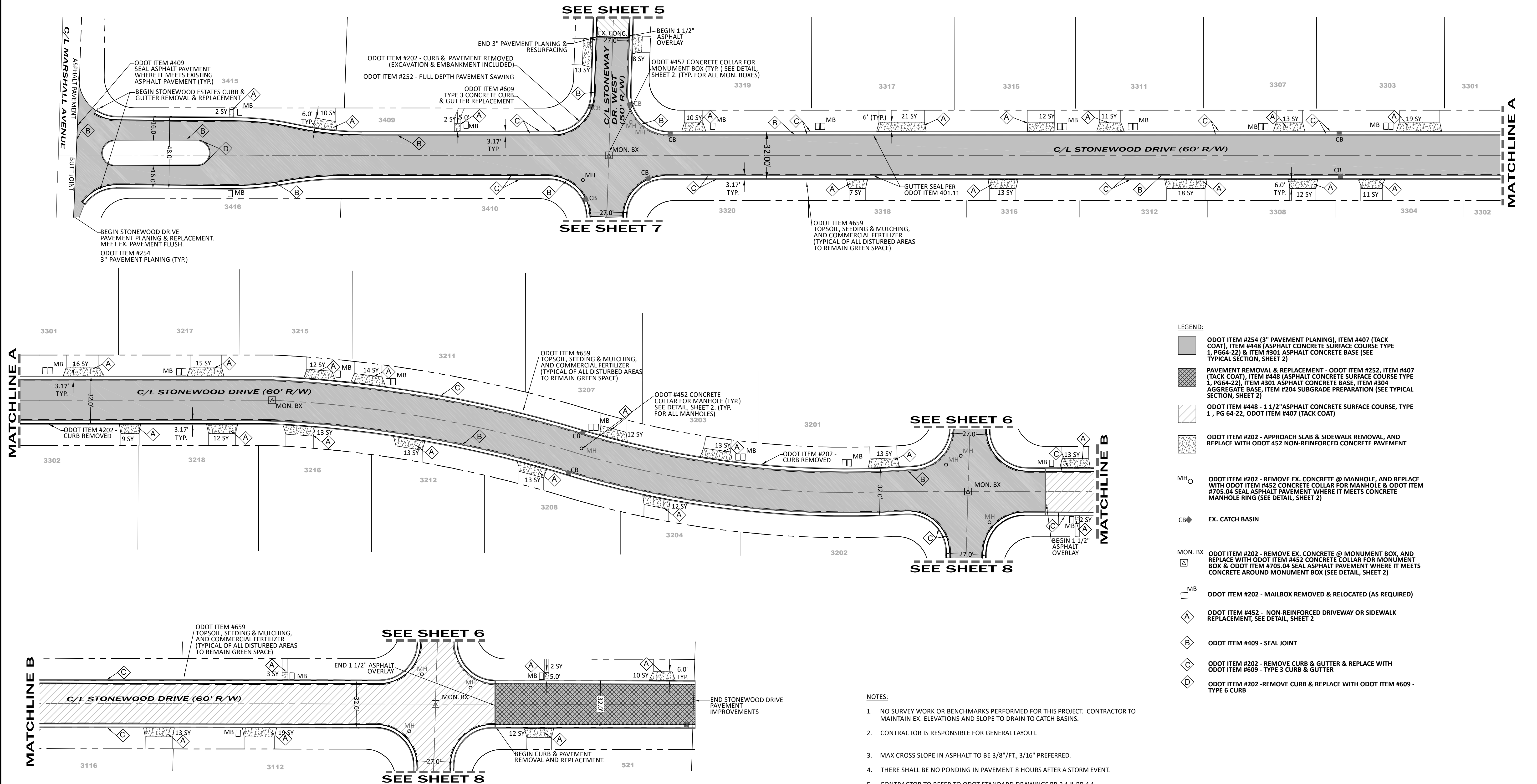
OVERALL SITE PLAN
N.T.S.

STONEWOOD ESTATES
PAVEMENT IMPROVEMENTS
PERKINS TOWNSHIP, ERIE COUNTY, OHIO
OVERALL SITE, SHEETS LAYOUT

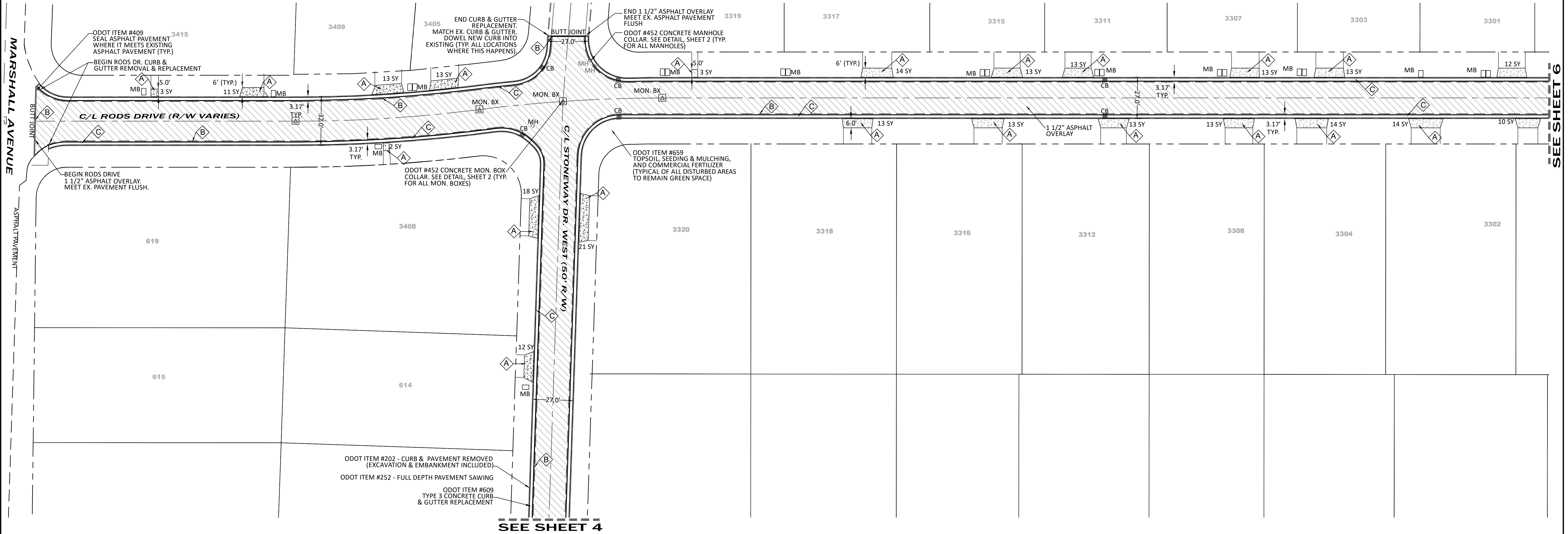
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	DR. KNR	REV'D	

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NOTES:


1. NO SURVEY WORK OR BENCHMARKS PERFORMED FOR THIS PROJECT. CONTRACTOR TO MAINTAIN EX. ELEVATIONS AND SLOPE TO DRAIN TO CATCH BASINS.
2. CONTRACTOR IS RESPONSIBLE FOR GENERAL LAYOUT.
3. MAX CROSS SLOPE IN ASPHALT TO BE 3/8"/FT., 3/16" PREFERRED.
4. THERE SHALL BE NO PONDING IN PAVEMENT 8 HOURS AFTER A STORM EVENT.
5. CONTRACTOR TO REFER TO ODOT STANDARD DRAWINGS BP-3.1 & BP-4.1.
6. ODOT ITEM #255 FULL DEPTH PAVEMENT REMOVAL & RIGID REPLACEMENT AREAS TO BE DETERMINED BY OWNER AND/OR ENGINEER ON SITE AFTER MILLING HAS BEEN COMPLETED. AN ESTIMATED QUANTITY OF 200 S.Y. HAS BEEN ASSUMED FOR THIS PROJECT.
7. OWNER TO RECONSTRUCT/REFURBISH EXISTING CATCH BASINS PRIOR TO THE BEGINNING OF THIS PROJECT.


LEGEND:

 ODOT ITEM #448 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, ODOT ITEM #407 (TACK COAT)

 ODOT ITEM #202 - APPROACH SLAB & SIDEWALK REMOVAL, AND REPLACE WITH ODOT 452 NON-REINFORCED CONCRETE PAVEMENT

 ODOT ITEM #202 - REMOVE EX. CONCRETE @ MANHOLE, AND REPLACE WITH ODOT ITEM #452 CONCRETE COLLAR FOR MANHOLE & ODOT ITEM #705.04 SEAL ASPHALT PAVEMENT WHERE IT MEETS CONCRETE MANHOLE RING (SEE DETAIL, SHEET 2)

 EX. CATCH BASIN

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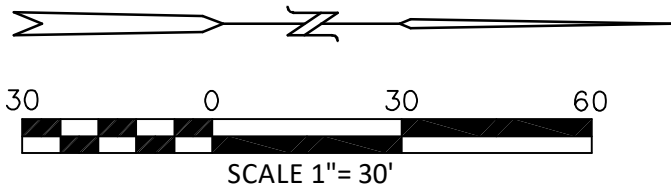
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 ODOT ITEM #452 - NON-REINFORCED DRIVEWAY OR SIDEWALK REPLACEMENT, SEE DETAIL, SHEET 2

 ODOT ITEM #409 - SEAL JOINT

 ODOT ITEM #202 - REMOVE CURB & GUTTER & REPLACE WITH ODOT ITEM #609 - TYPE 3 CURB & GUTTER

 ODOT ITEM #202 - REMOVE CURB & REPLACE WITH ODOT ITEM #609 - TYPE 6 CURB



STONEWOOD ESTATES
PAVEMENT IMPROVEMENTS
PERKINS TOWNSHIP, ERIE COUNTY, OHIO
SITE LAYOUT - RODS DRIVE & WEST STONEWAY DRIVE

CONTRACTORS
DESIGN ENGINEERING
CONSULTING ENGINEERS & SURVEYORS
NORWALK, OHIO

SCALE: 1"=30'	DATE: FEB., 2024 DR. KNR	CK'D. ABE BY: REV'D	PROJECT NO. 23-387
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SEE SHEET 6











SEE SHEET 4

SEE SHEET 5

SEE SHEET 4

SEE SHEET 4

LEGEND:

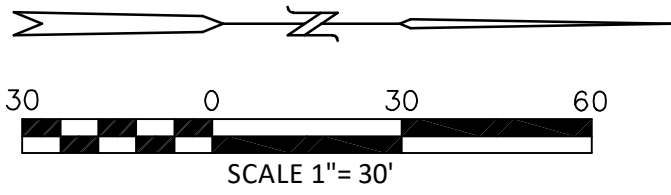
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NOTES:

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- CONTRACTOR IS RESPONSIBLE FOR GENERAL LAYOUT.
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- OWNER TO RECONSTRUCT/REFURBISH EXISTING CATCH BASINS PRIOR TO THE BEGINNING OF THIS PROJECT.

END 3" PAVEMENT PLANING & RESURFACING

END 1 1/2" ASPHALT OVERLAY



STONEWOOD ESTATES
PAVEMENT IMPROVEMENTS
PERKINS TOWNSHIP, ERIE COUNTY, OHIO
SITE LAYOUT - RODS DRIVE & STONEPLACE DRIVE

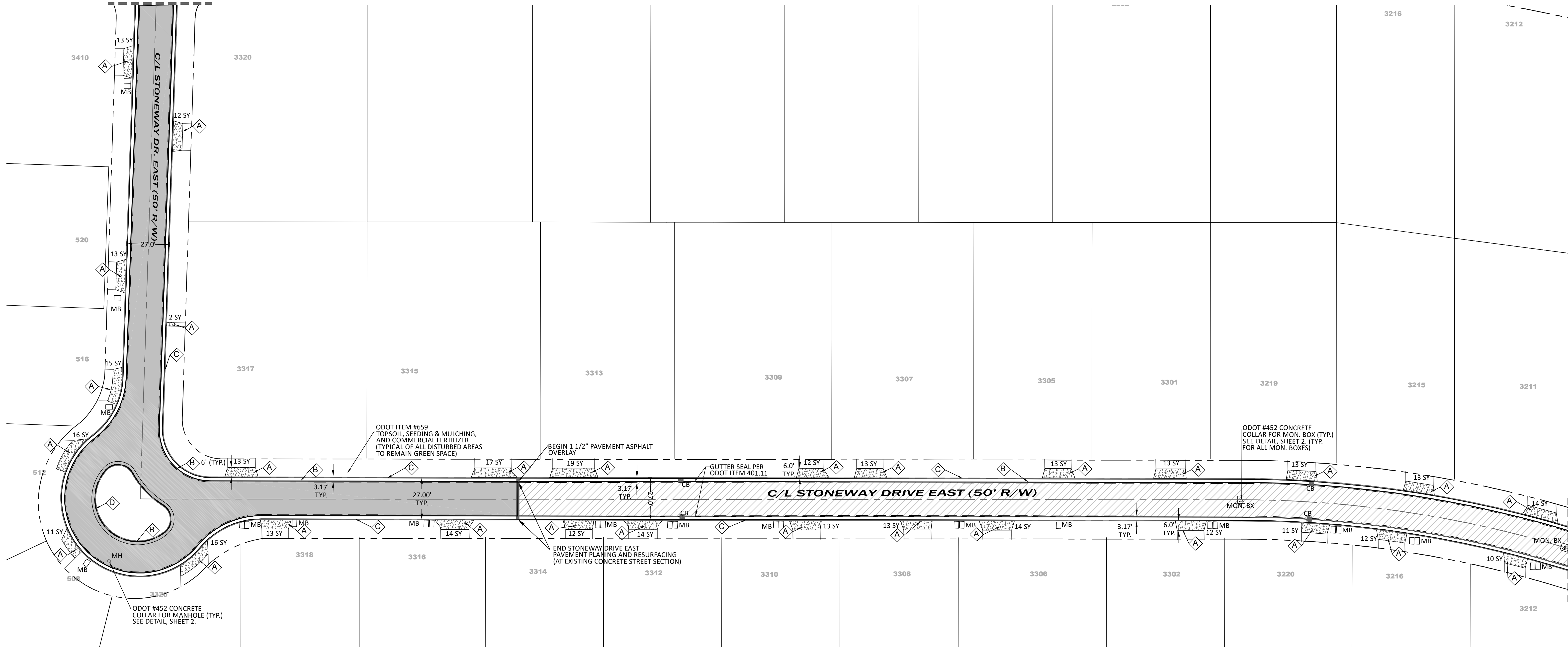
CONTRACTORS
DESIGN ENGINEERING
CONSULTING ENGINEERS & SURVEYORS
NORWALK, OHIO

SCALE: 1"=30'	DATE: FEB., 2024 DR. KNR	CK'D. ABE BY: REV'D	PROJECT NO. 23-387
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SEE SHEET 4



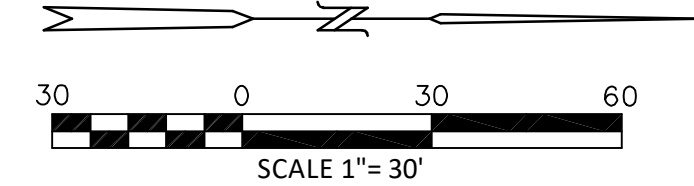
SEE SHEET 8

LEGEND:

- ODOT ITEM #254 (3" PAVEMENT PLANING), ITEM #407 (TACK COAT), ITEM #448 (ASPHALT CONCRETE SURFACE COURSE TYPE 1, PG64-22) & ITEM #301 ASPHALT CONCRETE BASE (SEE TYPICAL SECTION, SHEET 2)
- ODOT ITEM #448 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, ODOT ITEM #407 (TACK COAT)
- ODOT ITEM #202 - APPROACH SLAB & SIDEWALK REMOVAL, AND REPLACE WITH ODOT 452 NON-REINFORCED CONCRETE PAVEMENT
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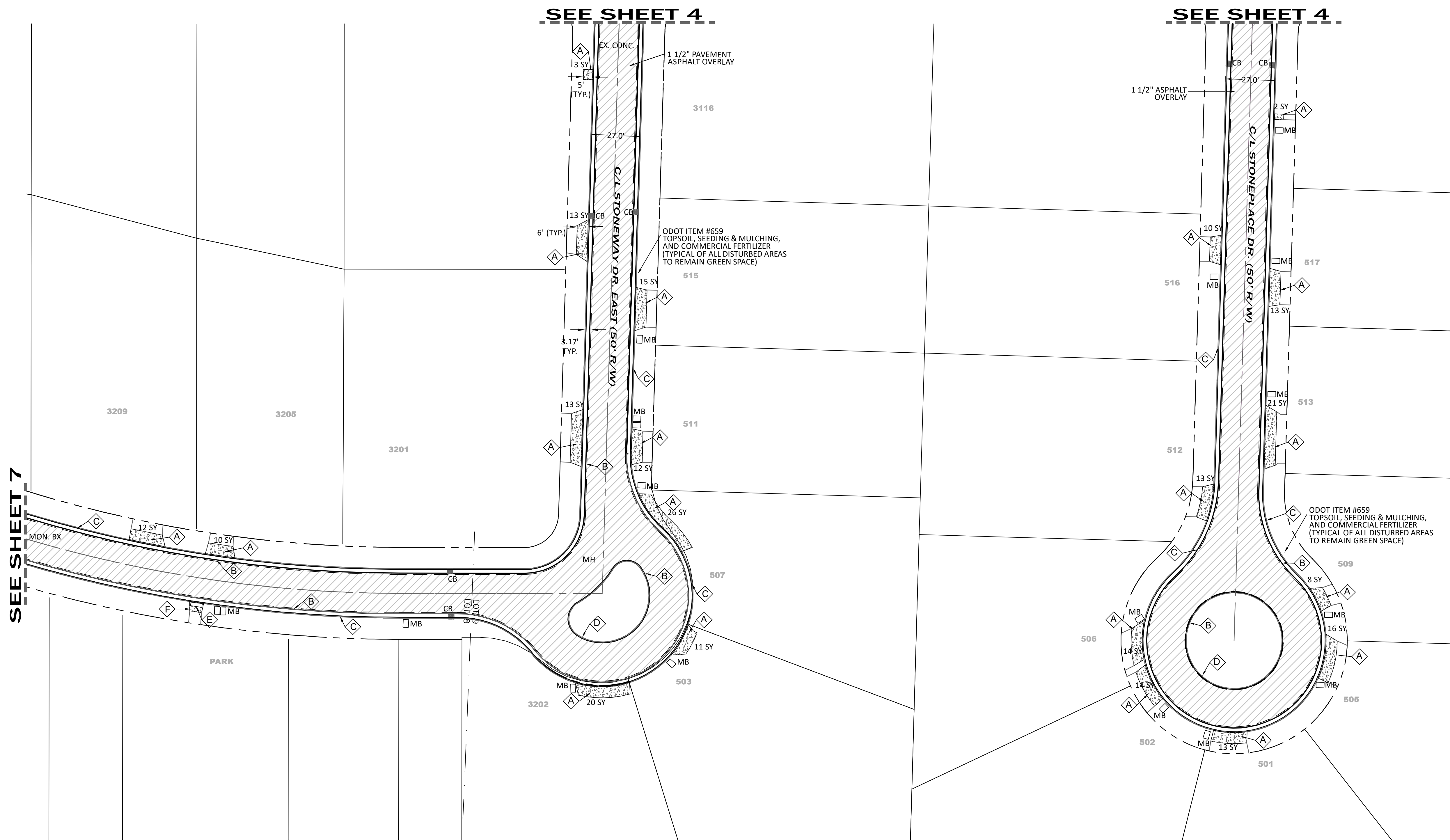
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- OWNER TO RECONSTRUCT/REFURBISH EXISTING CATCH BASINS PRIOR TO THE BEGINNING OF THIS PROJECT.



STONEWOOD ESTATES PAVEMENT IMPROVEMENTS PERKINS TOWNSHIP, ERIE COUNTY, OHIO SITE LAYOUT - STONEWAY DRIVE EAST				7 8
CONTRACTORS DESIGN ENGINEERING CONSULTING ENGINEERS & SURVEYORS NORWALK, OHIO				
SCALE: 1"=30'	DATE: FEB., 2024 DR. KNR	CK'D. BY: ABE REV'D	PROJECT NO. 23-387	

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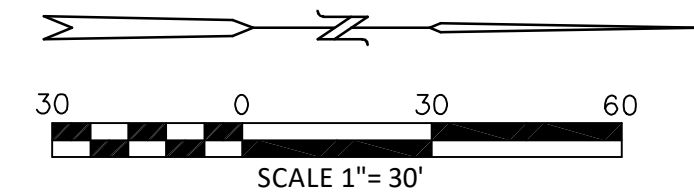
LEGEND:

- ODOT ITEM #448 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, ODOT ITEM #407 (TACK COAT)
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- ODOT ITEM #202 - REMOVE CURB & GUTTER & REPLACE WITH ODOT ITEM #609 - TYPE 3 CURB & GUTTER
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- TRUNCATED DOMES - SEE BP-7.1
- CURB RAMP - SEE BP-7.1

NOTES:

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- CONTRACTOR IS RESPONSIBLE FOR GENERAL LAYOUT.
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- THERE SHALL BE NO PONDING IN PAVEMENT 8 HOURS AFTER A STORM EVENT.
- CONTRACTOR TO REFER TO ODOT STANDARD DRAWINGS BP-3.1 & BP-4.1.
- ODOT ITEM #255 FULL DEPTH PAVEMENT REMOVAL & RIGID REPLACEMENT AREAS TO BE DETERMINED BY OWNER AND/OR ENGINEER ON SITE AFTER MILLING HAS BEEN COMPLETED. AN ESTIMATED QUANTITY OF 270 S.Y. HAS BEEN ASSUMED FOR THIS PROJECT.
- OWNER TO RECONSTRUCT/REFURBISH EXISTING CATCH BASINS PRIOR TO THE BEGINNING OF THIS PROJECT.
- CURB RAMP PER ODOT STANDARD DRAWING BP-7.1.
- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% AND 5% LONGITUDINALLY TO MEET ADA REQUIREMENTS.



STONEWOOD ESTATES PAVEMENT IMPROVEMENTS PERKINS TOWNSHIP, ERIE COUNTY, OHIO SITE LAYOUT - STONEWAY DRIVE EAST & STONEPLACE DRIVE				8 8
CONTRACTORS DESIGN ENGINEERING CONSULTING ENGINEERS & SURVEYORS NORWALK, OHIO				
SCALE: 1"=30'	DATE: FEB., 2024 DR. KNR	CK'D. ABE BY: REV'D	PROJECT NO. 23-387	