

2025 CLEAR CREEK ELEMENTARY PLAYGROUND ACCESSIBLE WALK AND SURFACING PROJECT

OXFORD, IOWA



CIVIL ENGINEERS
LAND PLANNERS
LAND SURVEYORS
LANDSCAPE ARCHITECTS
ENVIRONMENTAL SPECIALISTS

1917 S. GILBERT ST.
IOWA CITY, IOWA 52240
(319) 351-8282
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Date	Revision
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TITLE SHEET

2025 CLEAR CREEK ELEMENTARY
PLAYGROUND ACCESSIBLE WALK
AND SURFACING PROJECT
OXFORD
JOHNSON COUNTY
IOWA

MMS CONSULTANTS, INC.

Date: 4/17/2025

Designed by: JRA Field Book No:

Drawn by: JRA Scale: N.T.S.

Checked by: LCN Sheet No: 1

Project No: 0853-023 of: 9

SHEET INDEX

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- 7 GENERAL NOTES AND DETAILS
- 8 SURFACING DETAIL (BASIS OF DESIGN)
- 9 SURFACING DETAIL (BASIS OF DESIGN)

STANDARD LEGEND AND NOTES

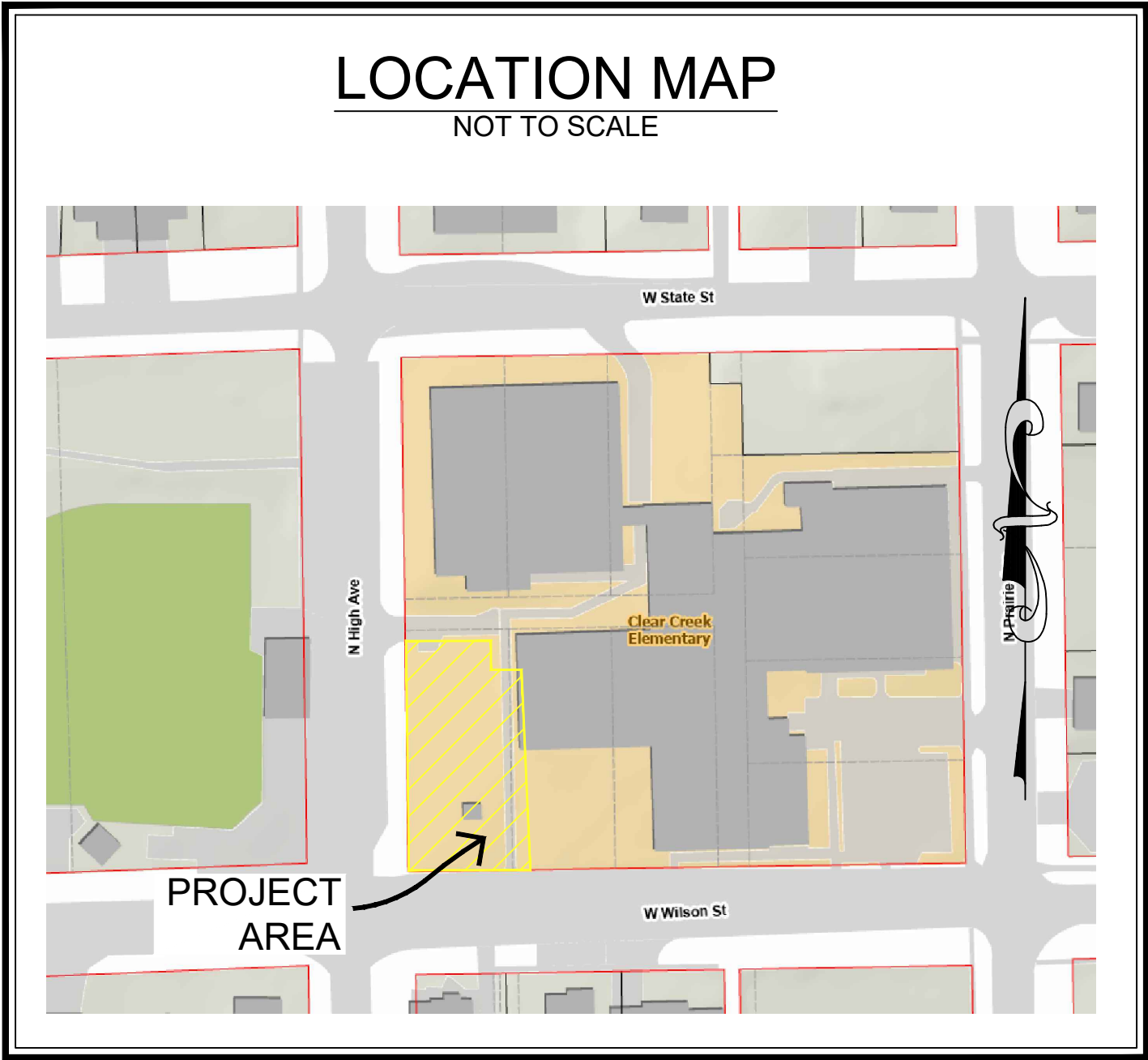
	PROPERTY &/or BOUNDARY LINES
	CONGRESSIONAL SECTION LINES
	RIGHT-OF-WAY LINES
	EXISTING RIGHT-OF-WAY LINES
	CENTER LINES
	EXISTING CENTER LINES
	LOT LINES, INTERNAL
	LOT LINES, PLATTED OR BY DEED
	PROPOSED EASEMENT LINES
	EXISTING EASEMENT LINES
	BENCHMARK
	RECORDED DIMENSIONS
	CURVE SEGMENT NUMBER
	POWER POLE
	POWER POLE W/DROP
	POWER POLE W/TRANS
	POWER POLE W/LIGHT
	GUY POLE
	LIGHT POLE
	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
	DRAINAGE MANHOLE
	CURB INLET
	FENCE LINE
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	WATER LINES
	ELECTRICAL LINES
	TELEPHONE LINES
	GAS LINES
	CONTOUR LINES (1' INTERVAL)
	PROPOSED GROUND
	EXISTING TREE LINE
	EXISTING DECIDUOUS TREE & SHRUB
	EXISTING EVERGREEN TREES & SHRUBS

THE ACTUAL SIZE AND LOCATION OF ALL PROPOSED FACILITIES SHALL BE VERIFIED WITH CONSTRUCTION DOCUMENTS, WHICH ARE TO BE PREPARED AND SUBMITTED SUBSEQUENT TO THE APPROVAL OF THIS DOCUMENT.

UTILITIES

THE CONTRACTOR SHALL NOTIFY IOWA ONE CALL AT 811 OR 800/292-8989 NO LESS THAN 48 HRS. IN ADVANCE OF ANY DIGGING OR EXCAVATION.

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.



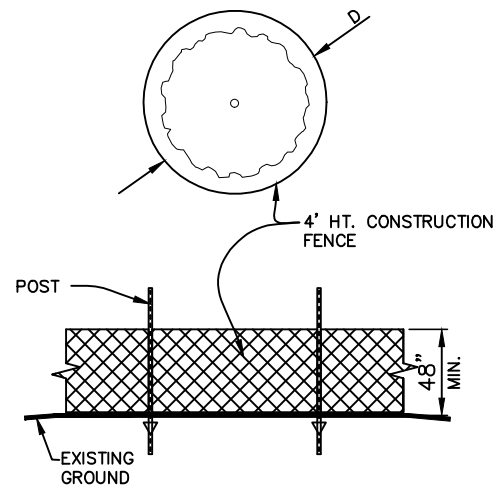
PRIOR TO SURFACE INSTALLATION,
OWNER WILL REMOVE ALL ENGINEERED
WOOD FIBER MULCH AND INSTALL ROCK
BASE TO WITHIN ±4" OF SUB-BASE
STONE ELEVATION. SEE DETAIL

TREE PROTECTION DETAIL

N.T.S.

$$D(\text{FEET}) = 1.5 \times \text{TRUNK } \phi (\text{FEET}) \times 12$$

TRUNK ϕ MEASURED AT 24" ABOVE GROUND



NORTH HIGH
AVENUE

TOPSOIL STOCKPILE AREA

EROSION CONTROL LEGEND

- SILT FENCE
- TREE PROTECTION FENCE
- CONSTRUCTION FENCE
- TEMPORARY STOCKPILE AREA

NOTES:

ALL SLOPES GREATER THAN 4:1 SHALL HAVE EROSION CONTROL MATTING NORTH AMERICAN GREEN SC150, OR EQUIVALENT, APPLIED OVER SEEDED SURFACE.

THE ABOVE LISTED ITEMS ARE SHOWN IN THEIR RECOMMENDED LOCATIONS. IF A CONTROL MEASURE IS ADDED OR MOVED TO A MORE SUITABLE LOCATION, INDICATE THE REVISION ON THIS SHEET.

PROTECT FENCE AND GATES

48.69'

PROTECT PLAYGROUND
EQUIPMENT

OWNER TO MOVE SHED
PRIOR TO CONSTRUCTION

SAW-CUT PAVEMENT

CLEAR CREEK
ELEMENTARY

230 W WILSON ST,
OXFORD, IA

REMOVE HANDRAIL

REMOVE SIDEWALK AND SUB BASE

PROTECT TREES

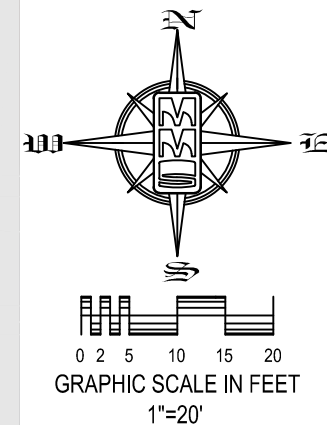
SAW-CUT PAVEMENT

PROTECT HYDRANT

STRIP AND STOCKPILE TOPSOIL

SALVAGE SECTION OF RETAINING WALL AS NECESSARY TO
INSTALL WALK. STORE ON SITE TO BE REINSTALLED AFTER
PROPOSED WALK.

WILSON STREET



REMOVAL LEGEND

- EXISTING ASPHALT PAVEMENT OF VARYING THICKNESS AND SUB-BASE.
- EXISTING PCC SIDEWALK OF VARYING THICKNESS AND SUB-BASE.
- EXISTING PCC PAVEMENT OF VARYING THICKNESS AND SUB-BASE.
- EXISTING GRAVEL
- PCC SIDEWALK AND SUB-BASE TO BE REMOVED
- STRIP TOPSOIL
- ENGINEERED WOOD FIBER MULCH, STRIPPED BY OWNER.

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EXISTING CONDITION AND DIMENSION PLAN

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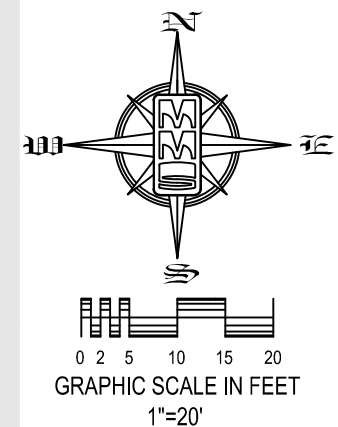
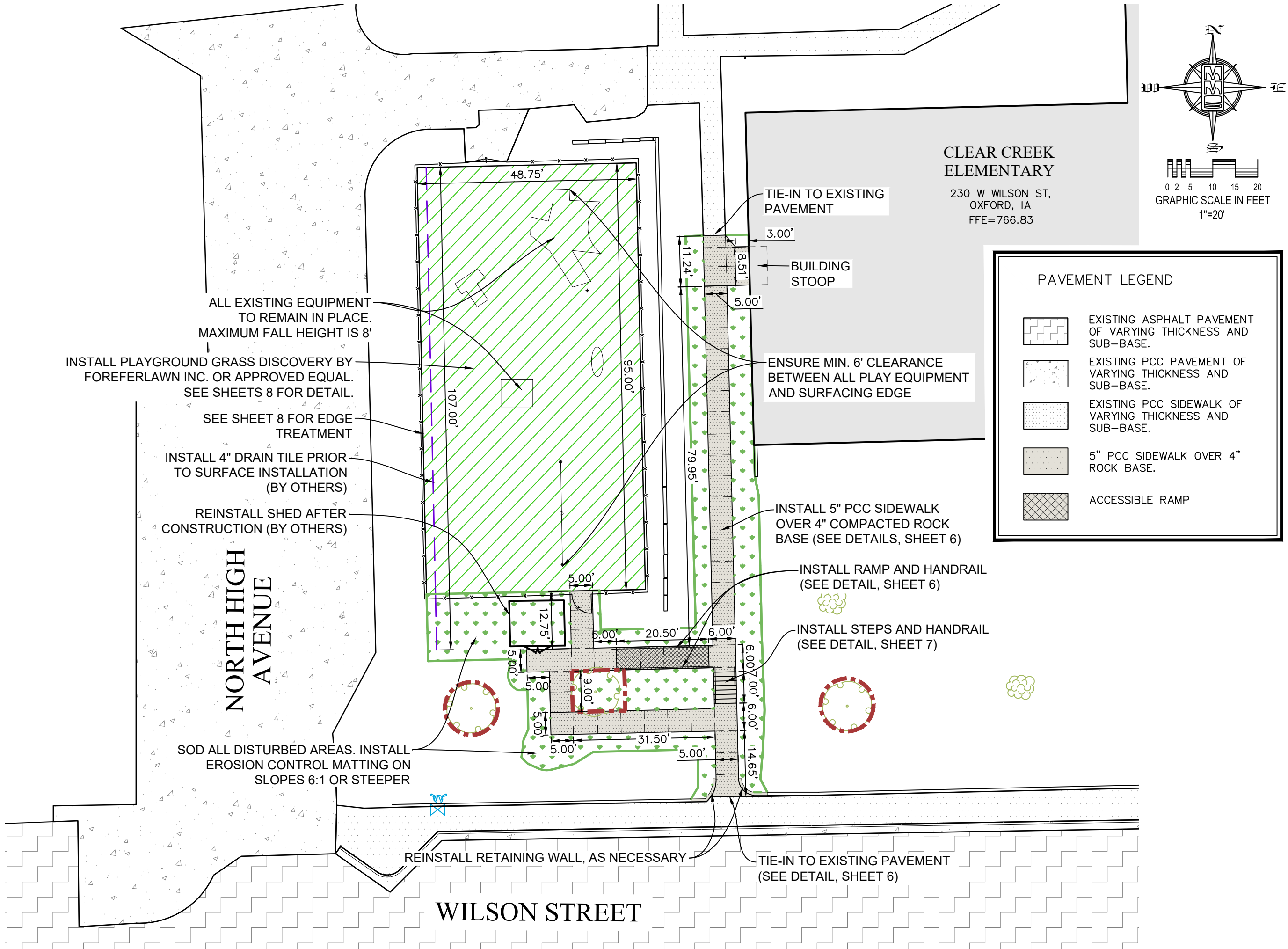
Date: 4/17/2025

Designed by: JRA	Field Book No:
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Drawn by: JRA	Scale: 1"=20'
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Checked by: LCN	Sheet No: 2
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Project No: 0853-023	of: 9
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CLEAR CREEK
ELEMENTARY
230 W WILSON ST,
OXFORD, IA
FFE=766.83

PAVEMENT LEGEND

	EXISTING ASPHALT PAVEMENT OF VARYING THICKNESS AND SUB-BASE.
	EXISTING PCC PAVEMENT OF VARYING THICKNESS AND SUB-BASE.
	EXISTING PCC SIDEWALK OF VARYING THICKNESS AND SUB-BASE.
	5" PCC SIDEWALK OVER 4" ROCK BASE.
	ACCESSIBLE RAMP



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LAYOUT AND DIMENSION PLAN

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OVERALL GRADING PLAN

2025 CLEAR CREEK ELEMENTARY PLAYGROUND ACCESSIBLE WALK AND SURFACING PROJECT OXFORD JOHNSON COUNTY IOWA

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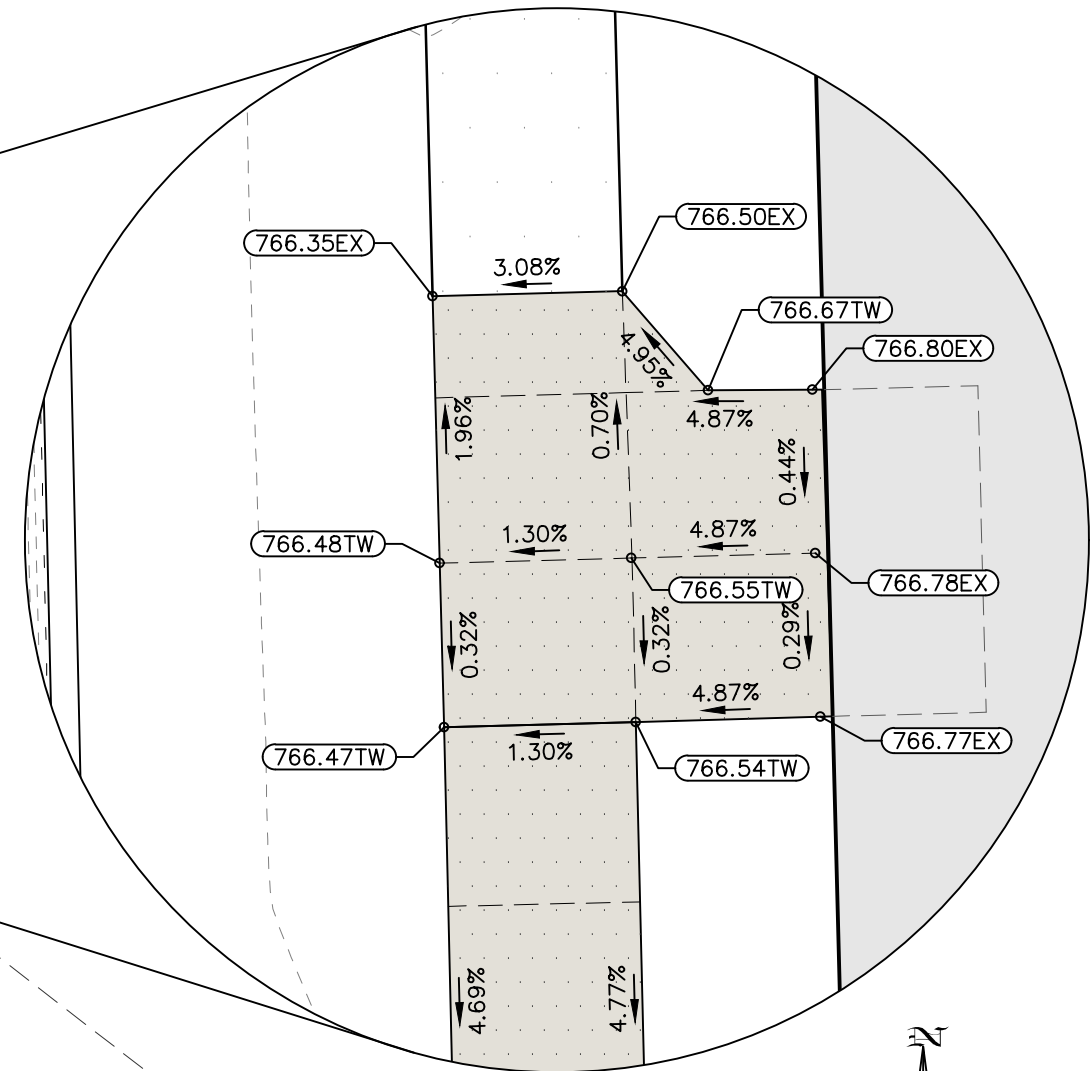
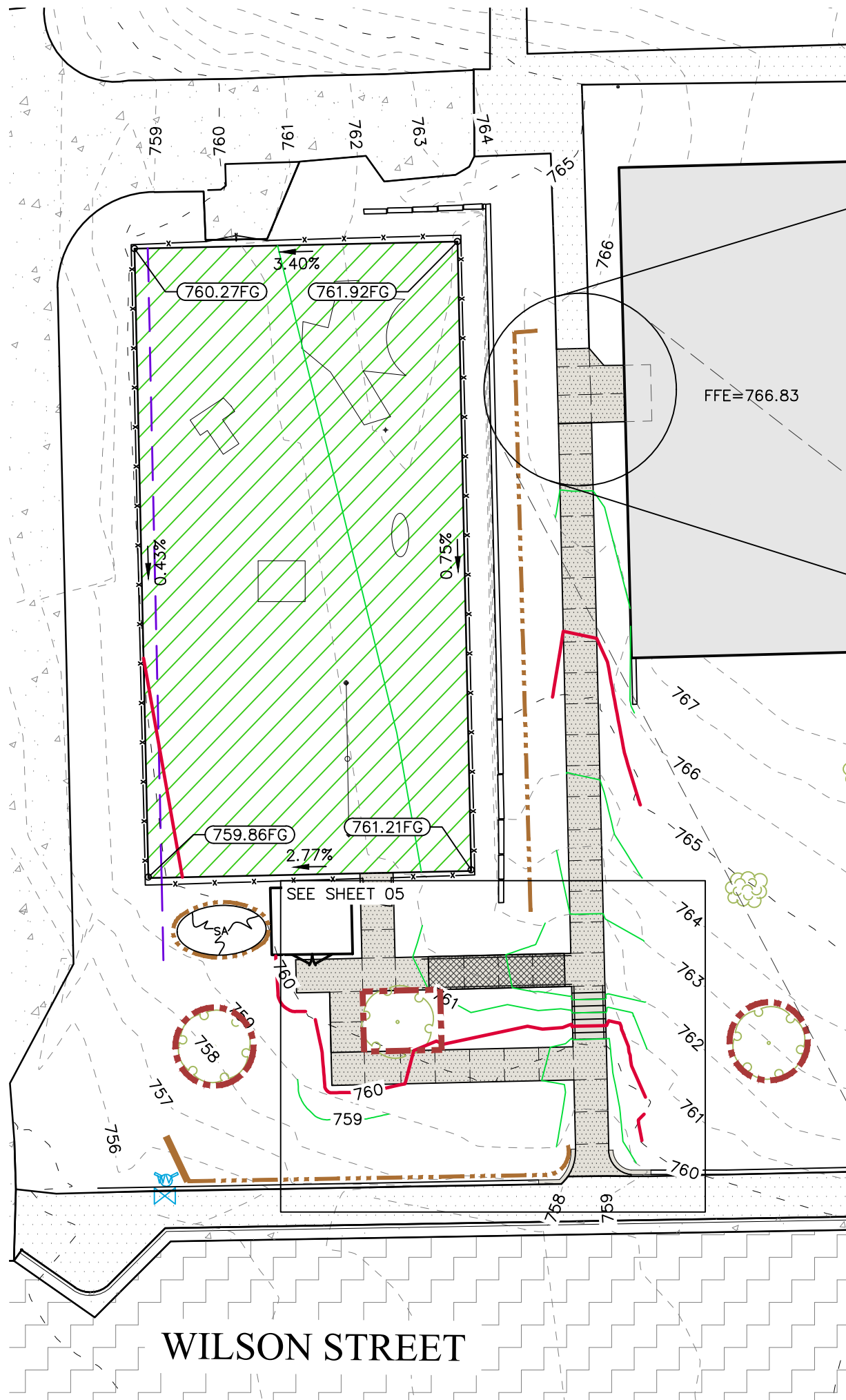
Date: 4/17/2025

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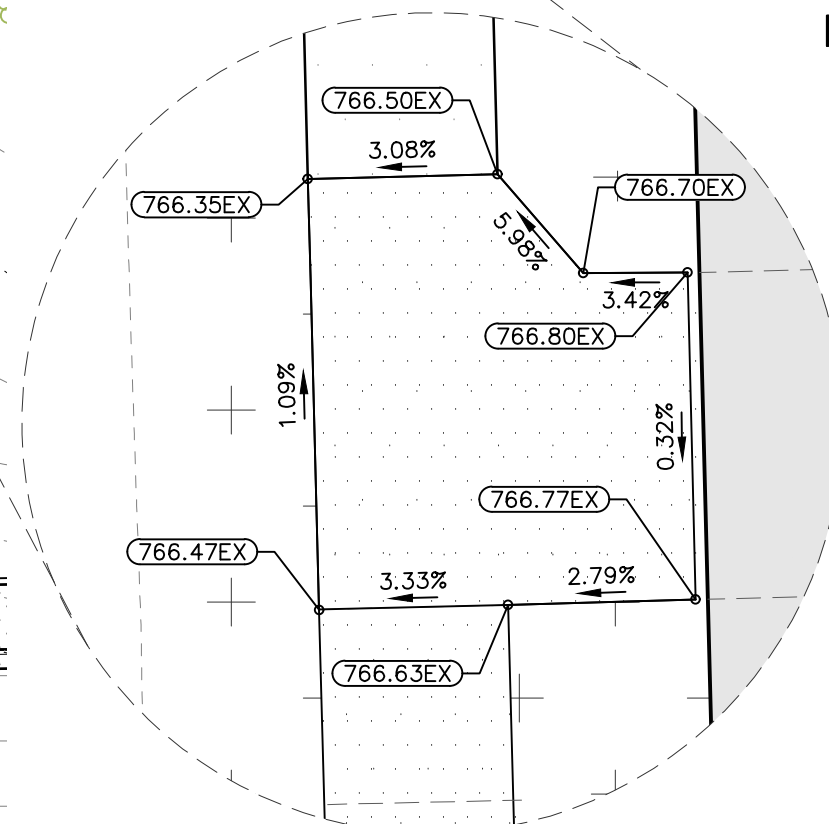
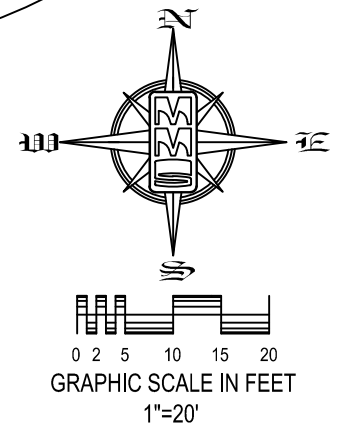
Drawn by:	Scale:
JRA	1"=20'

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PROPOSED
SCALE 1"=5"



EXISTING
SCALE 1"=5"

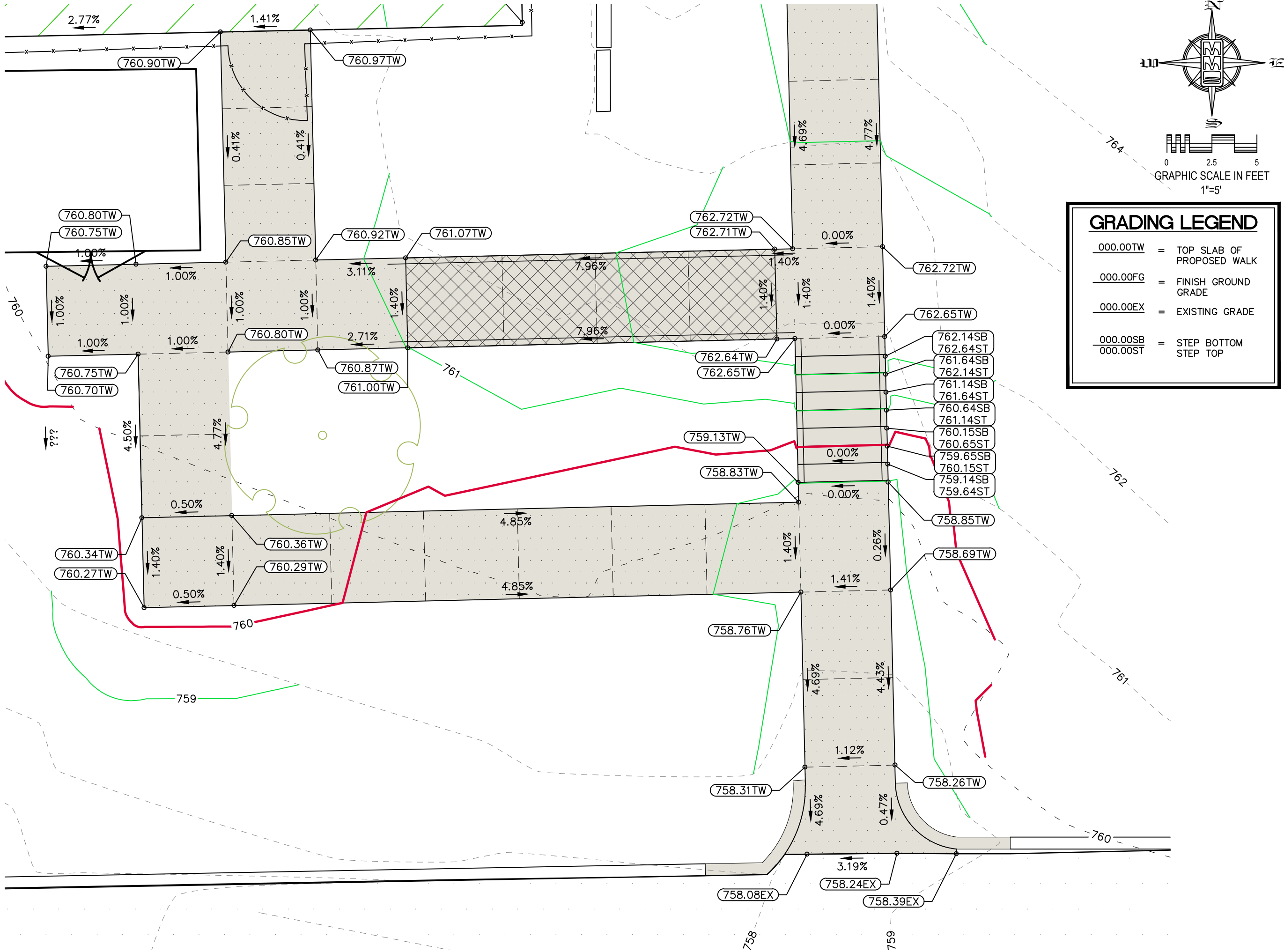
GRADING LEGEND

000.00TW = TOP SLAB OF PROPOSED WALK

000.00FG = FINISH GROUND GRADE

000.00EX = EXISTING GRADE

000.00TC = TOP SLAB AND
000.00TS TOP OF CURB



GRADING LEGEND

000.00TW = TOP SLAB OF PROPOSED WALK

000.00FG = FINISH GROUND GRADE

000.00EX = EXISTING GRADE

000.00SB = STEP BOTTOM

000.00ST = STEP TOP

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DETAILED GRADING PLAN

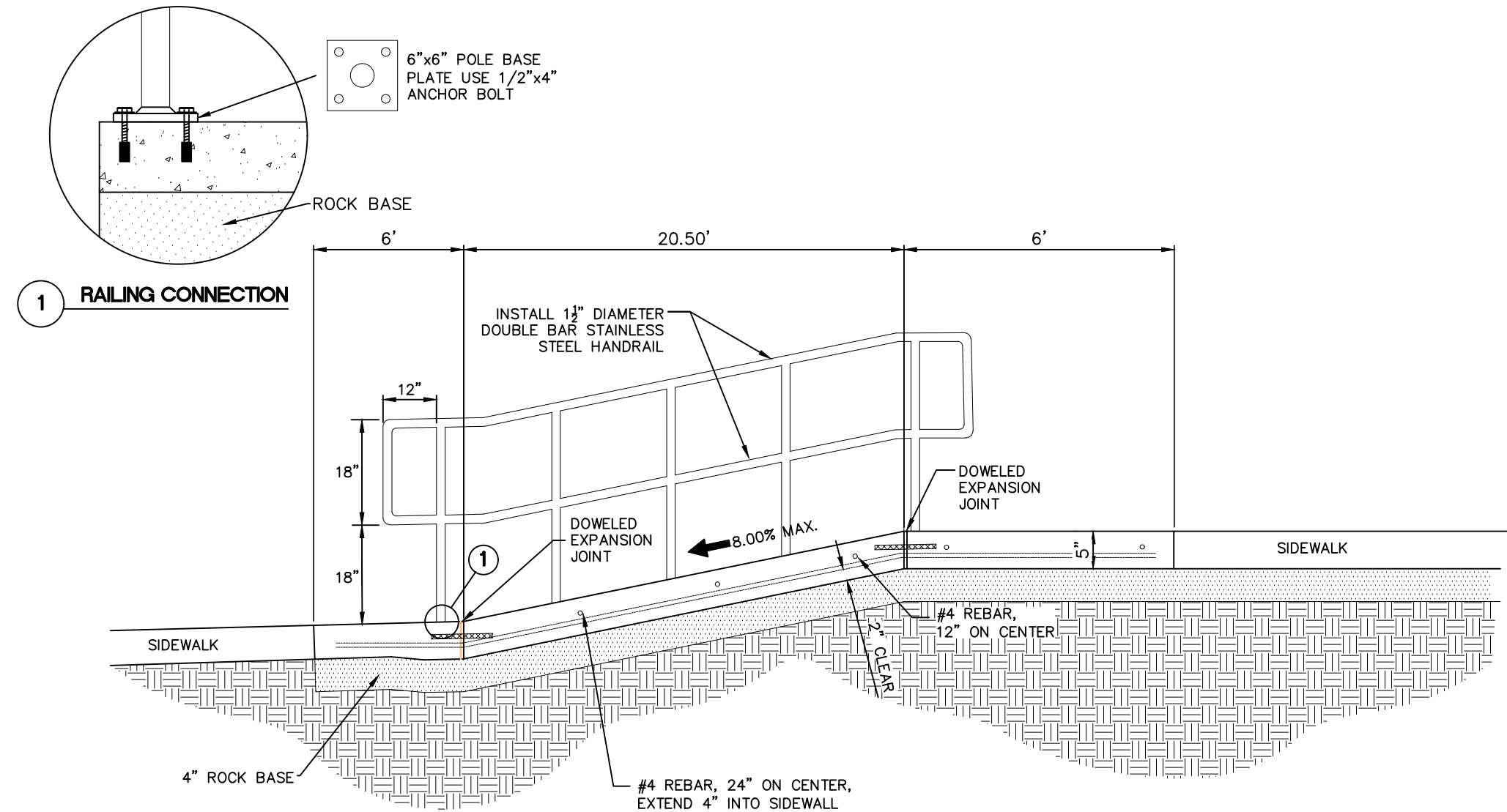
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RAMP AND HANDRAIL DETAIL

N.T.S.




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GENERAL NOTES AND DETAILS

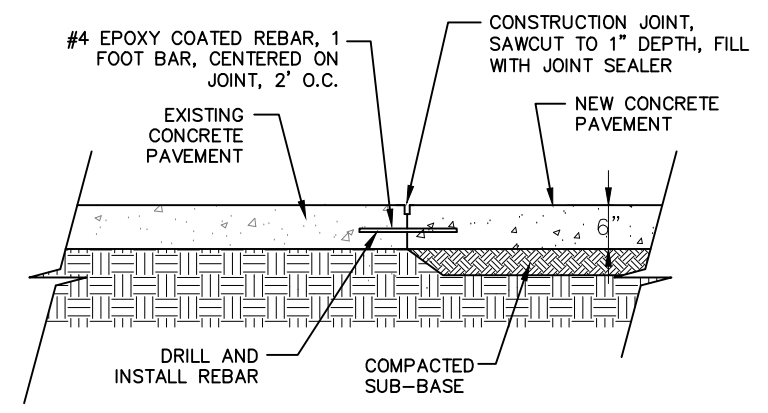
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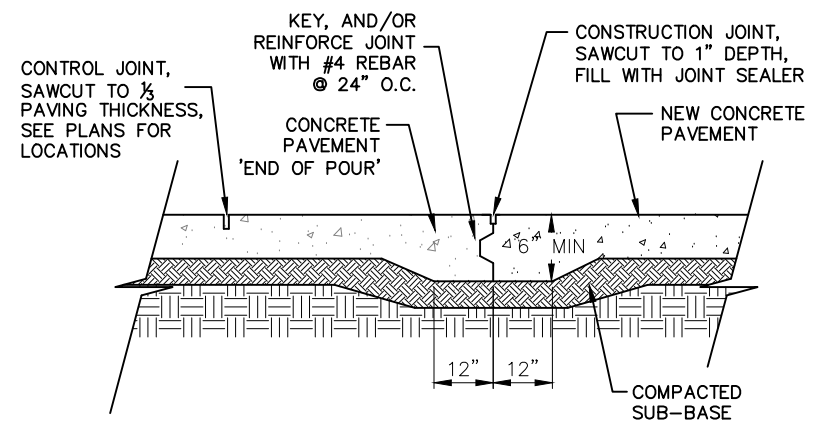
EXISTING PAVING TIE-IN DETAIL

N.T.S.



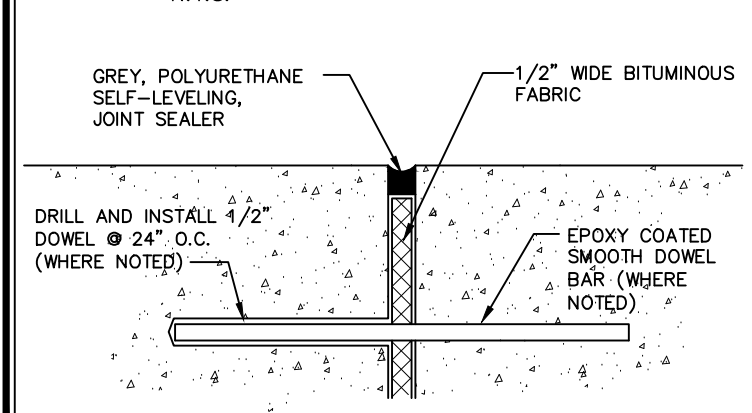
CONSTRUCTION JOINTING DETAIL

N.T.S.



EXPANSION JOINT DETAIL

N.T.S.





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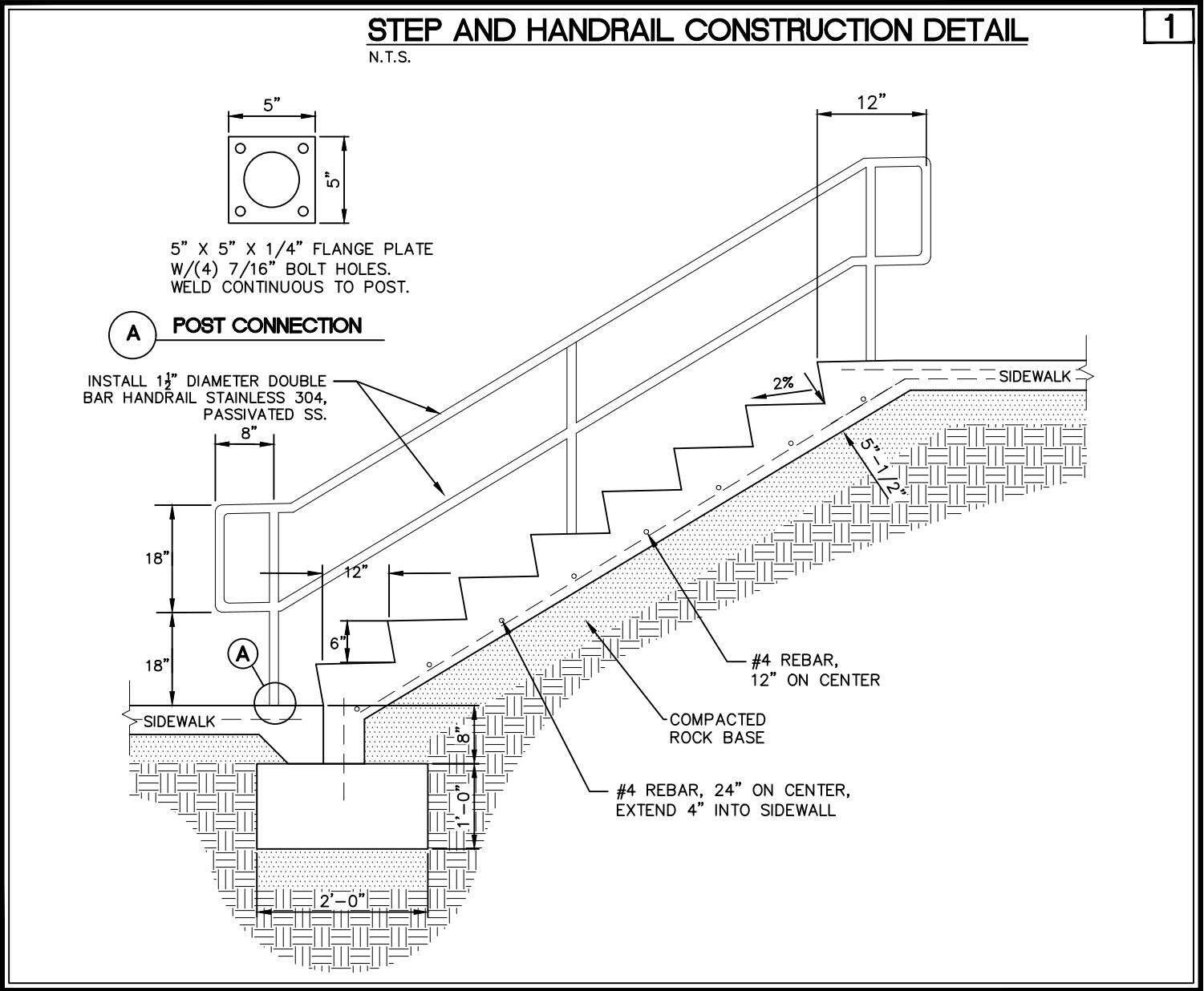
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GENERAL NOTES AND DETAILS

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SURFACING DETAIL - BASIS OF DESIGN

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Playground Grass System

Edge Detail - 9' Critical Fall Height (2.25" SafetyFoam) adjacent to natural grass or other surface



5801 Mayfair Rd., Suite 4 • North Canton, OH 44720
Phone: 866.992.7876 • Fax: 330.249.2170 • foreverlawn.com

By	G. Swartz	11/16
Scale	Not to scale	
Drawing No.	PF5	



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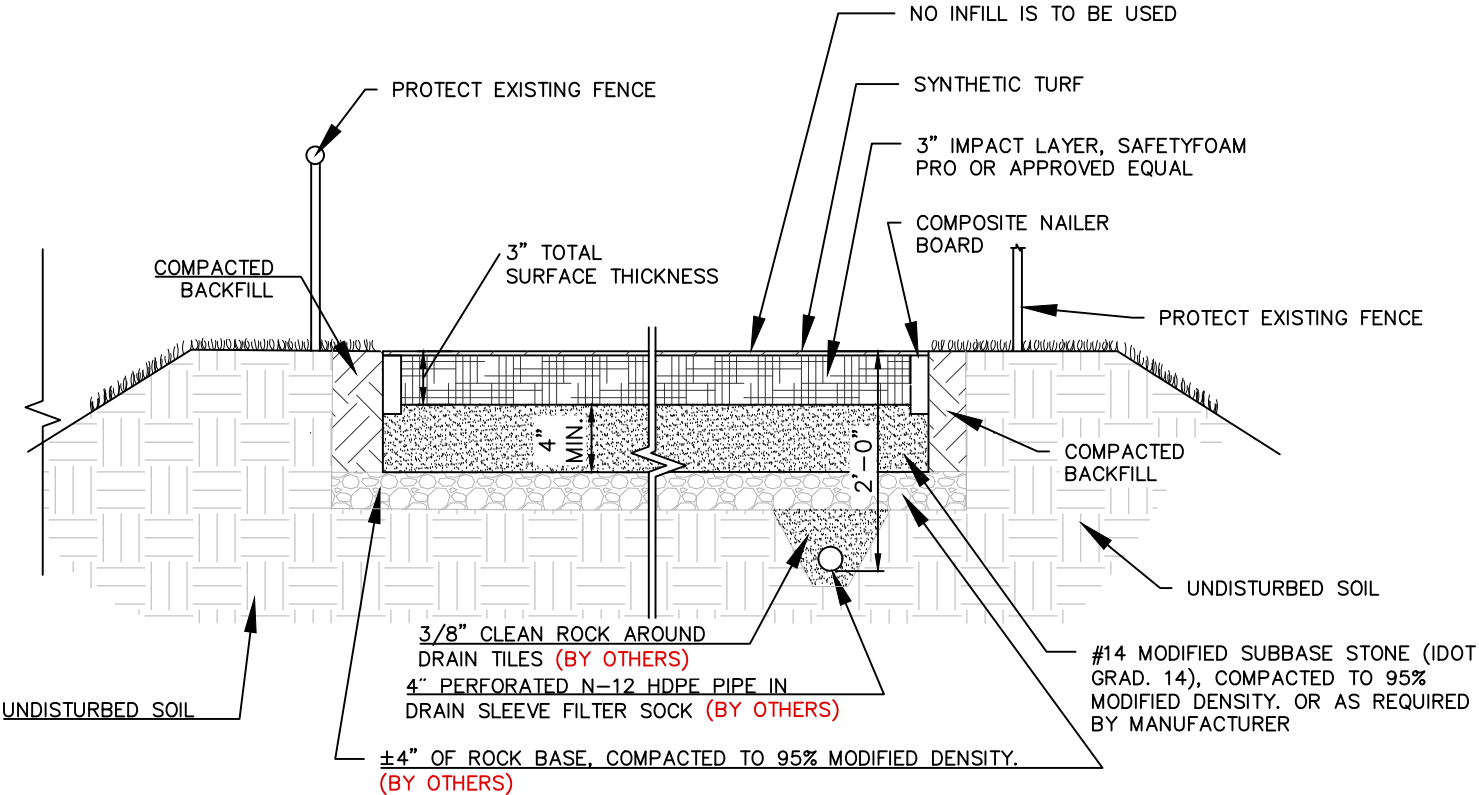
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PLAYGROUND SURFACING DETAIL

N.T.S.



SUB-DRAIN TILE NOTES:

1. TRENCH WIDTH SHALL BE A MINIMUM OF 6" WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE
2. PIPE SHALL BE PLACED ON A BED OF COMPACTED GRANULAR MATERIAL APPROXIMATELY 3" THICK.
3. GRANULAR BACKFILL SHALL BE PLACED TO TOP OF SUBGRADE ABOVE THE PIPE. ALL BACKFILL IN THIS PIPE ENVELOPE SHALL BE HAND TAMPED.
4. GRANULAR MATERIAL FOR BEDDING AND BACKFILL SHALL BE OPEN GRADED AND FREELY DRAINING WITH POROUS BACKFILL (IDOT 4131, GRADATION #14).
5. ALL DRAINAGE PIPE SHALL BE FULLY PERFORATED.
6. ALL PIPE SHALL BE 4" DIAMETER, UNLESS NOTED OTHERWISE, AND GRADES SHALL BE AS SHOWN ON THE PLANS.
7. ALL FITTINGS AND COUPLINGS SHALL BE SPECIFICALLY MANUFACTURED FOR USE WITH THE SPECIFIED PIPE MATERIALS.
8. ALL PAVING SUBDRAIN SHALL BE SINGLE-WALL HDPE.
9. CLEANOUTS SHALL BE INSTALLED AT THE END OF EACH LINE AS SHOWN ON THE PLANS.
10. THE SUBDRAIN SHOULD BE HYDRAULICALLY CONNECTED TO THE GRANULAR BASE.
11. CONTRACTOR TO ENSURE NO LOW SPOTS ALONG DRAINAGE TILE.
12. SEE PLANS FOR PLAYGROUND INFILL LOCATION.
13. OWNER IS PROVIDING SUB-BASE ROCK TO WITHIN 8" (±0.50") OF FINISHED GRADE. CONTRACTOR SHALL INSTALL ADDITIONAL ROCK, OR OTHER, AS NECESSARY TO ACCOMODATE BRINGING TURF TO FINISHED GRADE.