



PHASE 1 VILLAGE ON PARK PARKING STRUCTURE AND GROCERY ALTERATION WORK FOR THE COMMUNITY DEVELOPMENT AUTHORITY OF THE CITY OF MADISON

808 HUGHES PLACE, MADISON WI 53713

PROJECT DESCRIPTION: SIX-LEVEL, 295 STALL
PARKING GARAGE WITH SITE IMPROVEMENTS

BID DOCUMENTS 11-30-2023



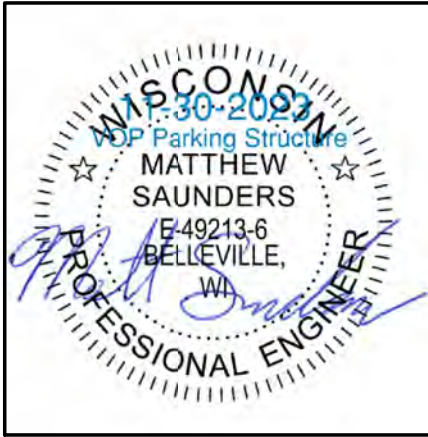
PROJECT TEAM CONTACT LIST



STRUCTURAL
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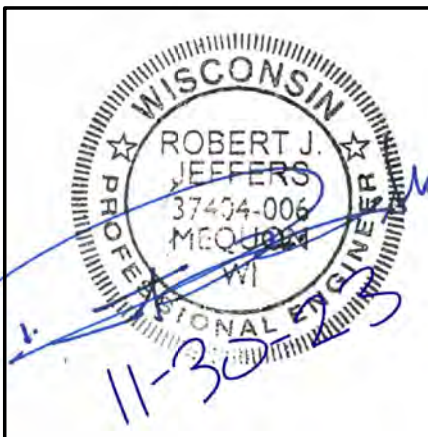
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MECHANICAL
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ELECTRICAL
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LANDSCAPE
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SHEET INDEX

GENERAL

G001 COVER SHEET
G002 TITLE SHEET
A1 TANKS SURVEY
A1A/C/S/M LAND TITLE SURVEY

CIVIL

C100 NOTES AND LEGEND
C200 DEMO PLAN
C300 SITE PLAN - OVERALL
C301 SITE PLAN - PARKING STRUCTURE
C302 SITE PLAN - VILLAGE GREEN SOUTH
C303 SITE PLAN - VILLAGE GREEN NORTH
C400 GRADING & EROSION CONTROL PLAN - OVERALL
C401 GRADING PLAN - PARKING STRUCTURE
C402 GRADING PLAN - VILLAGE GREEN SOUTH
C403 GRADING PLAN - VILLAGE GREEN NORTH
C500 UTILITY PLAN
C600 DETAILS
C601 DETAILS
C602 DETAILS
C603 DETAILS
C604 DETAILS

LANDSCAPE

L100 LANDSCAPE PLAN - OVERALL
L101 LANDSCAPE PLAN - PARKING STRUCTURE
L102 LANDSCAPE PLAN - VILLAGE GREEN SOUTH
L103 LANDSCAPE PLAN - VILLAGE GREEN NORTH
L200 LANDSCAPE DETAILS & NOTES

STRUCTURAL

S001 GENERAL NOTES
S002 GENERAL INFORMATION
S003 GENERAL FOUNDATION DETAILS
S004 GENERAL MASONRY DETAILS
S101 LEVEL ONE FOUNDATION PLAN
S102 LEVEL TWO FRAMING PLAN
S103 LEVEL THREE FRAMING PLAN
S104 LEVEL FOUR FRAMING PLAN
S105 LEVEL FIVE FRAMING PLAN
S106 LEVEL SIX FRAMING PLAN
S107 LEVEL SEVEN FRAMING PLAN
S108 EXISTING BUILDING FOUNDATION & ROOF PLAN
S201 BUILDING SECTIONS
S400 ENLARGED FLOOR PLANS
S401 ENLARGED FLOOR PLANS
S402 ENLARGED FLOOR PLANS
S403 ENLARGED FLOOR PLANS
S501 FOUNDATION DETAILS
S502 FOUNDATION DETAILS
S511 POST-TENSIONING DETAILS
S512 POST-TENSIONING DETAILS
S521 STRUCTURAL DETAILS
S522 STRUCTURAL DETAILS
S523 STRUCTURAL DETAILS
S524 STRUCTURAL DETAILS
S601 SCHEDULES
S602 MISCELLANEOUS SCHEDULES

ARCHITECTURAL

A001 GENERAL INFORMATION
A002 LIFE SAFETY PLAN & CODE INFORMATION
A003 LIFE SAFETY PLAN & CODE INFORMATION
A004 LIFE SAFETY PLAN & CODE INFORMATION
A005 PARTITION TYPES & WALL SYSTEMS
A006 DOOR, FRAME & HARDWARE SCHEDULE & STOREFRONT ELEVATIONS
A050 ARCHITECTURAL SITE PLAN
A200 GROCERY STORE - DEMOLITION & PROPOSED PLAN
A201 LEVEL ONE PLAN
A202 LEVEL TWO PLAN
A203 LEVEL THREE PLAN
A204 LEVEL FOUR PLAN
A205 LEVEL FIVE PLAN
A206 LEVEL SIX PLAN
A210 ROOF PLAN
A301 LEVEL ONE REFLECTED CEILING PLAN
A400 GROCERY STORE - DEMOLITION & PROPOSED ELEVATIONS
A401 EXTERIOR ELEVATIONS
A402 EXTERIOR ELEVATIONS
A403 EXTERIOR ELEVATIONS
A440 EXTERIOR RENDERINGS
A441 EXTERIOR RENDERINGS
A451 EXTERIOR RENDERINGS
A452 EXTERIOR RENDERINGS
A501 BUILDING SECTIONS
A502 BUILDING SECTIONS
A503 WALL SECTIONS
A504 WALL SECTIONS
A505 WALL SECTIONS
A506 WALL SECTIONS
A601 ENLARGED FLOOR PLANS
A602 ENLARGED FLOOR PLANS
A603 ENLARGED FLOOR PLANS
A604 ENLARGED FLOOR PLANS
A610 DUMPSTER ENCLOSURE PLANS AND DETAILS
A650 STAIR DETAILS
A651 STAIR DETAILS
A701 INTERIOR ELEVATIONS
A801 EXTERIOR DETAILS
A802 EXTERIOR DETAILS
A803 EXTERIOR DETAILS
A804 EXTERIOR DETAILS
A805 EXTERIOR DETAILS
AG10-01 LEVEL P1 PARKING FLOOR PLAN
AG10-02 LEVEL P2 PARKING FLOOR PLAN
AG601 SIGN SCHEDULE AND COMPONENTS
AG602 SIGN AND PARKING DETAILS

ELECTRICAL

E001 ELECTRICAL SYMBOLS, ABBREVIATIONS & SHEET INDEX
E002 ELECTRICAL SITE PLAN DEMOLITION
E003 ELECTRICAL SITE PLAN
E004 UNDERGROUND CONDUIT ROUTING
E111 LEVEL ONE PLAN - LIGHTING
E112 LEVEL TWO PLAN - LIGHTING
E113 LEVEL THREE PLAN - LIGHTING
E114 LEVEL FOUR PLAN - LIGHTING
E115 LEVEL FIVE PLAN - LIGHTING
E116 LEVEL SIX PLAN - LIGHTING
E117 ROOF PLAN - LIGHTING
E121 LEVEL ONE PLAN - POWER & SYSTEMS
E122 LEVEL TWO PLAN - POWER & SYSTEMS
E123 LEVEL THREE PLAN - POWER & SYSTEMS
E124 LEVEL FOUR PLAN - POWER & SYSTEMS
E125 LEVEL FIVE PLAN - POWER & SYSTEMS
E126 LEVEL SIX PLAN - POWER & SYSTEMS
E127 ROOF PLAN - POWER & SYSTEMS
E400 ENLARGED PLANS
E401 ENLARGED PLANS
E402 ENLARGED PLANS
E403 ENLARGED PLANS
E404 ENLARGED PLANS
E501 ELECTRICAL DETAILS
E502 ELECTRICAL DETAILS
E503 ELECTRICAL DETAILS
E601 ELECTRICAL SCHEDULES
E610 PANEL SCHEDULES
E611 PANEL SCHEDULES
E612 PANEL SCHEDULES
E701 ELECTRICAL ONE-LINE POWER DIAGRAM

MECHANICAL

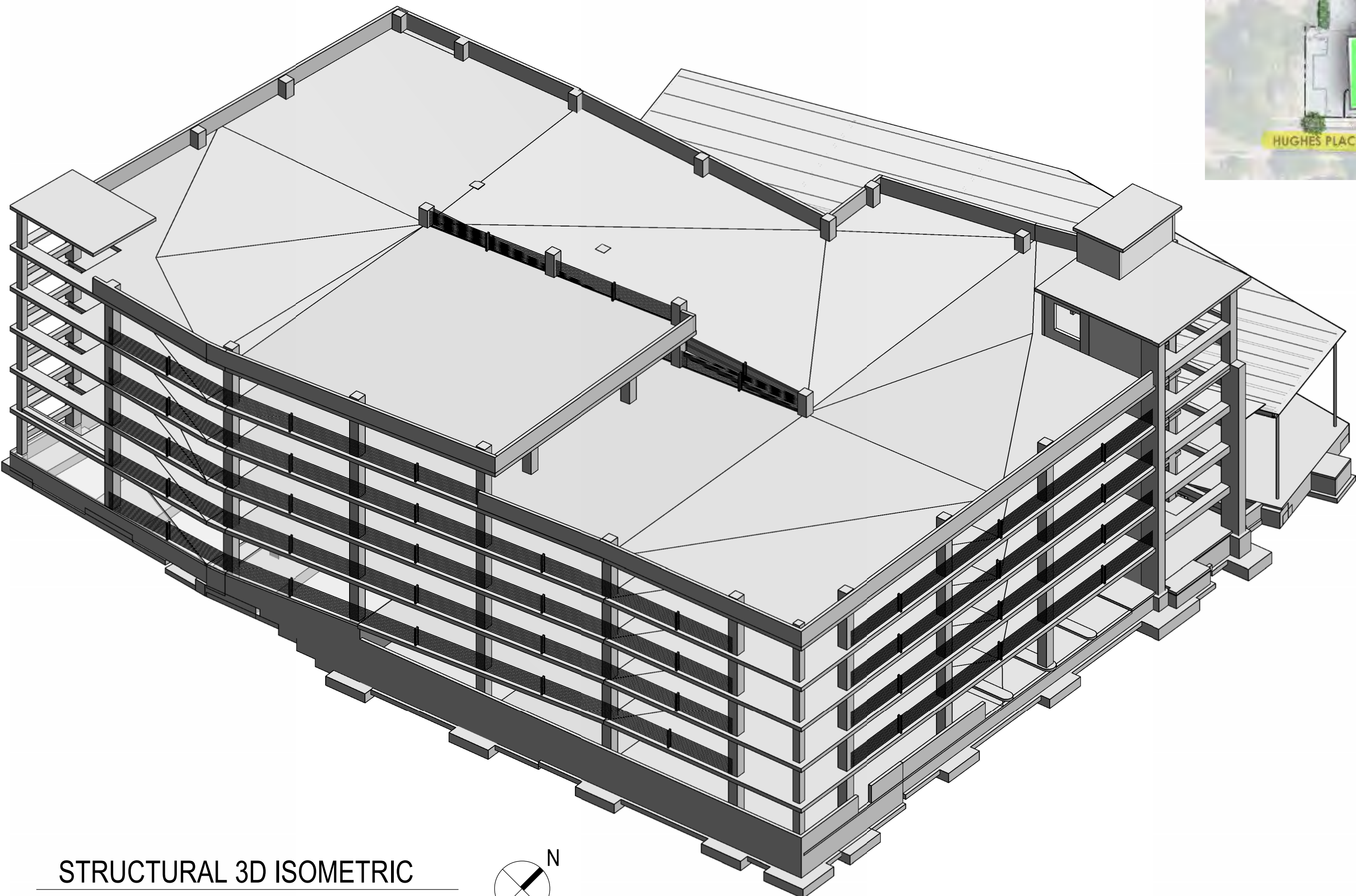
M001 MECHANICAL SYMBOLS & ABBREVIATIONS
M101 LEVEL ONE PLAN - MECHANICAL
M102 LEVEL TWO PLAN - MECHANICAL
M103 LEVEL THREE PLAN - MECHANICAL
M104 LEVEL FOUR PLAN - MECHANICAL
M105 LEVEL FIVE PLAN - MECHANICAL
M106 LEVEL SIX PLAN - MECHANICAL
M107 LEVEL SEVEN PLAN - MECHANICAL
M401 ENLARGED STAIR TOWER PLANS
M402 ENLARGED PLANS
M601 MECHANICAL SCHEDULES AND DETAILS

FIRE PROTECTION

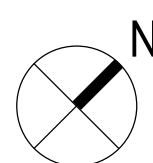
F001 FIRE PROTECTION SYMBOLS, SCHEDULES, & ABBREVIATIONS
F101 LEVEL ONE PLAN - FIRE PROTECTION
F102 LEVEL TWO PLAN - FIRE PROTECTION
F103 LEVEL THREE PLAN - FIRE PROTECTION
F104 LEVEL FOUR PLAN - FIRE PROTECTION
F105 LEVEL FIVE PLAN - FIRE PROTECTION
F106 LEVEL SIX PLAN - FIRE PROTECTION

PLUMBING

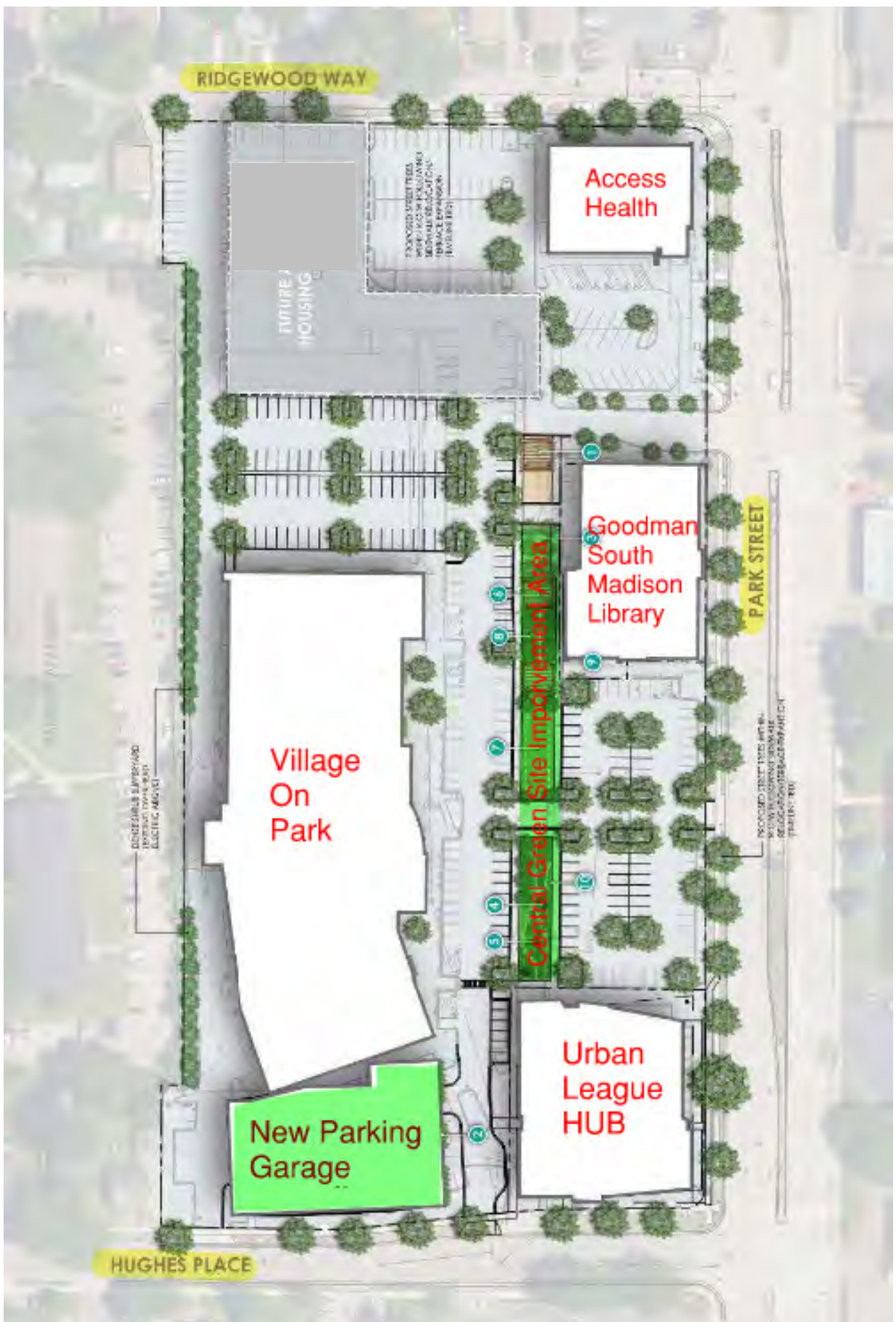
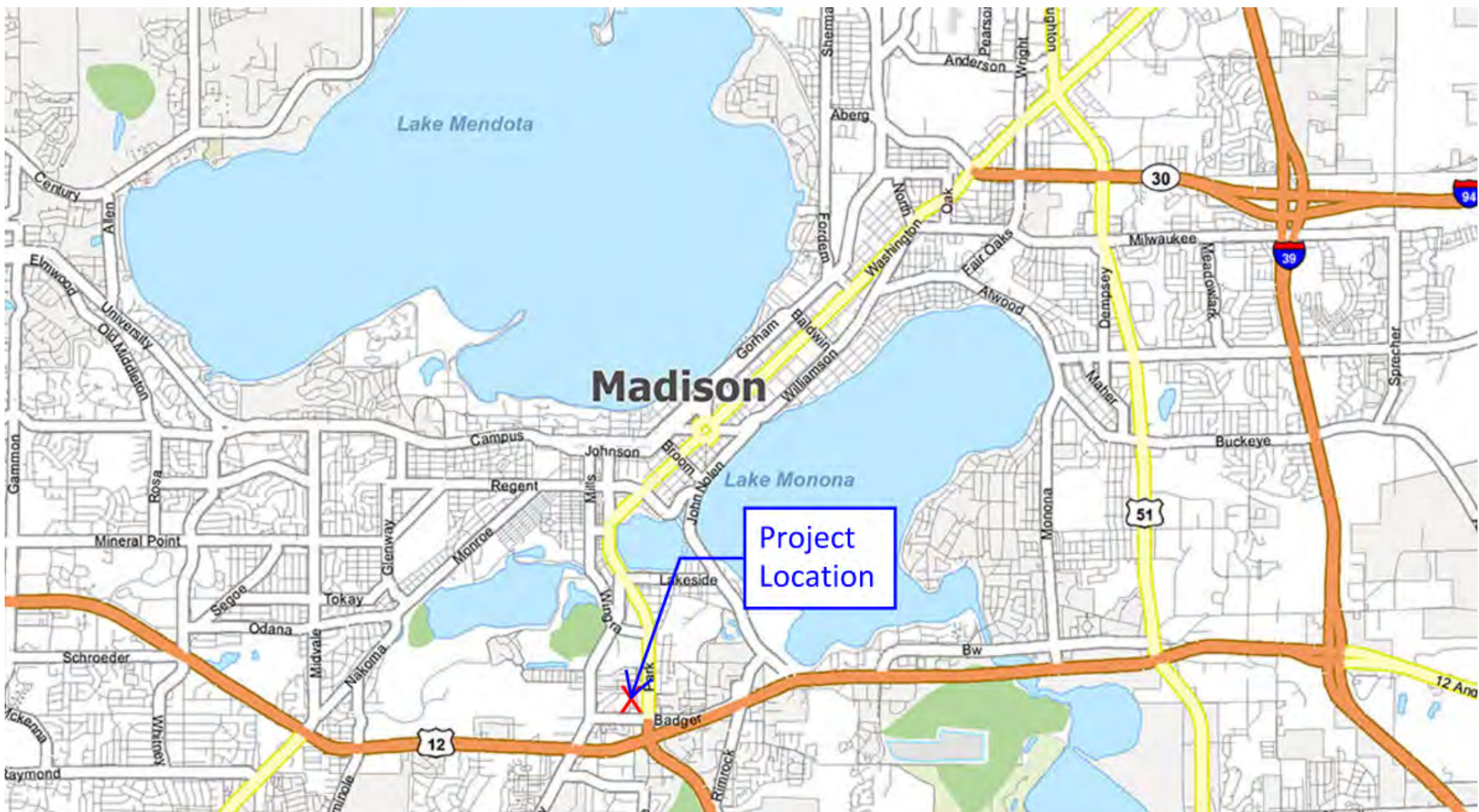
P001 PLUMBING SYMBOLS, SCHEDULES, & ABBREVIATIONS
P100 BELOW SLAB PLAN - PLUMBING
P101 LEVEL ONE PLAN - PLUMBING
P102 LEVEL TWO PLAN - PLUMBING
P103 LEVEL THREE PLAN - PLUMBING
P104 LEVEL FOUR PLAN - PLUMBING
P105 LEVEL FIVE PLAN - PLUMBING
P106 LEVEL SIX PLAN - PLUMBING
P107 LEVEL SEVEN PLAN - PLUMBING
P501 PLUMBING DETAILS
P601 PLUMBING ISOMETRICS



STRUCTURAL 3D ISOMETRIC



PROJECT LOCATION MAP



PUBLIC IMPROVEMENT PROJECT APPROVED:

RES:

FILE ID:

DATE:

BY THE COMMON COUNCIL OF MADISON, WI

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

CITY ENGINEER

DATE

EXISTING CONDITIONS SURVEY

LOT 1 AND 2 OF CERTIFIED SURVEY MAP NO. 15938 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN VOLUME 87 OF CERTIFIED SURVEY MAPS, PAGES 325-332 AS DOCUMENT NO. 581583, AND LOT OF CERTIFIED SURVEY MAP NO. 12790 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN VOLUME 81 OF CERTIFIED SURVEY MAPS, PAGES 55-63 AS DOCUMENT NO. 4605498, LOCATED IN THE SOUTHEAST 1/4 AND OF THE NORTHWEST 1/4 OF SECTION 35, TOWNSHIP 07 NORTH, RANGE 09 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

LOT 11, BLOCK 5
OAK RIDGE SUBDIVISION

LOT 2
CSM 13468
(PARCELA)
BUILDING 94,540 SQ FT

BUILDING AREA
REMOVED, PARKING
ADDED. WILL
REQUIRE AS-BUILT
SURVEY UPDATES

LOT 1
CSM 13468
(PARCEL B)
BUILDING 11,267 SQ FT

LOT 2
CSM 12790
(PARCEL C)
BUILDING 17,587 SQ FT

LOT 2
CSM 15938
(PARCEL D)
AREA UNDER
CONSTRUCTION

LEGEND

FEATURES

PK NAIL
1/2" Rebar, Cap # 11579
(Unless Otherwise Noted)
ROW Marker
ROW Rail
Control Point
Bench Mark
Platted Distance
Measured Bearing & Distance
Recorded As
Deed Distance
Calculated Distance
Minimum Protection Elevation
Centerline
Section Line
1/4 Section Line
1/4 1/4 Section Line
Easement Line (Typ.)
- MG&E Easement
- Utility Easement
- Storm Sewer/Water Easement
- Temporary Const. Easement
- No-Build Easement (unrecorded)

FOUND

Spot Elevation
Contour Elevation
Fence (Barbed, Field, Hog)
Fence (Chain Link)
Fence (Wood)
Fence (Silt)
Tree Line
Tree Stump
Deciduous Tree \ Shrub
Coniferous Tree \ Shrub

FEATURES

Communication
Fiber Optic
Underground Electric
Overhead Electric
Gas Main with Size
High Pressure Gas Main with Size
Water Main with Size
Sanitary Sewer with Size
Duct Bank
Test Hole Location for SUE w/ID

EXISTING

Sanitary Manhole
Storm Sewer with Size
Single Storm Sewer Intake
Double Storm Sewer Intake
Fire Hydrant
Fire Hydrant on Building
Water Main Valve
Water Service Valve
Well
Utility Pole
Guy Anchor
Utility Pole with Light
Utility Pole with Transformer
Street Light
Yard Light
Electric Box
Electric Transformer
Traffic Sign

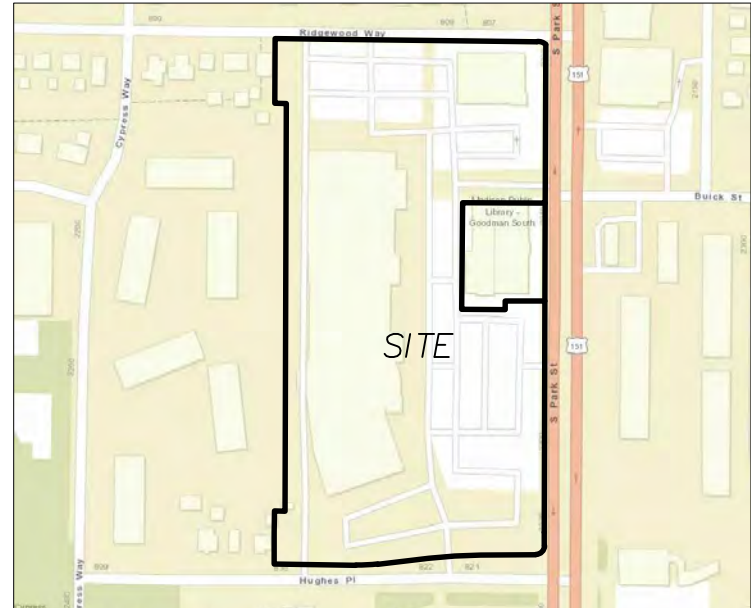
Sanitary Manhole

Storm Sewer with Size
Single Storm Sewer Intake
Double Storm Sewer Intake
Fire Hydrant
Fire Hydrant on Building
Water Main Valve
Water Service Valve
Well
Utility Pole
Guy Anchor
Utility Pole with Light
Utility Pole with Transformer
Street Light
Yard Light
Electric Box
Electric Transformer
Traffic Sign

Communication Pedestal
Communication Manhole
Communication Handhole
Fiber Optic Manhole
Fiber Optic Handhole
Gas Valve
Gas Manhole
Gas Apparatus
Fence Post or Guard Post
Underground Storage Tank
Above Ground Storage Tank
Sign
Satellite Dish
Mailbox
Sprinkler Head
Irrigation Control Valve
Soil Boring
Top of Roof Elevation
Finished Floor Elevation

TOR
FF

BEARINGS TO THE EAST LINE OF
REFERENCED TO WEST LINE OF
WEST PARK STREET
ASSUMED TO BEAR S00°09'53"W



EXISTING CONDITIONS SURVEY

VILLAGE ON PARK

CITY OF MADISON, DANE COUNTY, WISCONSIN

SNYDER & ASSOCIATES, INC. |



Project No: 121.0555.30C

Sheet 1 of 1

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

Project No: 121.0555.30C

Sheet 1 of 2

UTILITIES	COMMENTS	REVISION	DATE	BY
2	1	MARK	07-29-21	EEL
Engineer: ARG	Checked By: ARG	Scale: 1"=40'	Date: 06-11-21	T-R-S: T07N-R09E-35
Technician: AMS				

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EXISTING CONDITIONS SURVEY

LOT 1 AND 2 OF CERTIFIED SURVEY MAP NO. 15938 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN VOLUME 87 OF CERTIFIED SURVEY MAPS, PAGES 325-332 AS DOCUMENT NO. 581583, AND LOT OF CERTIFIED SURVEY MAP NO. 12790 RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN VOLUME 81 OF CERTIFIED SURVEY MAPS, PAGES 55-63 AS DOCUMENT NO. 4605498, LOCATED IN THE SOUTHEAST 1/4 AND OF THE NORTHWEST 1/4 OF SECTION 35, TOWNSHIP 07 NORTH, RANGE 09 EAST, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

STORM SEWER							
No	Type	RIM ELEV	IE	IE	IE	IE	Notes
①	Inlet	880.70	NW=876.60' 6" HDPE	E=876.57' 6" HDPE			
②	Rectangular Inlet	878.69	W=876.72' 8" PVC	E=876.72' 8" PVC	S=876.28' 12" RCP		
③	Inlet	880.82	W=875.24' HDPE	N=875.18' RCP	SE=875.58' HDPE	S=875.39' RCP	
④	Inlet	880.62	Could not measure.				
⑤	Inlet	882.70	Could not measure.				
⑥	Inlet	881.03	N=877.77 12"RCP	W= 877.47 12"RCP	BOT. MH =874.21		
⑦	Rectangular Inlet	880.81	S=876.52' RCP	W=877.61' 8" PVC	N=876.50' RCP	E=876.37' 12" RCP	
⑧	Rectangular Inlet	880.64	Could not measure.				
⑨	Curb Inlet		NE=878.94' 6" PVC				
⑩	Curb Inlet		S=877.30' 18" RCP	NW= Could not measure. 6" PVC	N= Could not measure. 8" PVC	E= Could not measure. RCP	
⑪	Inlet	882.32	SW=879.02' RCP				
⑫	Inlet	883.21	W=878.79' to flange invert. 12" RCP with 16" Flange				
⑬	Curb Inlet	886.97	N= 880.57' 8" PVC	S= 880.77' 8" PVC			
⑭	Curb Inlet		Could not measure.				
⑮	Beehive	886.94	SE= 884.89' 8" HDPE				
⑯	Beehive	886.98	NW= 885.23' 6" HDPE	NE= 884.03' 12" PVC	SW= 884.38' 8" PVC		
⑰	???Culvert???	884.26	Could not measure.				
⑱	Curb Inlet		S= 882.09' 15" HDPE				
⑲	Curb Inlet		N= 880.86' 15" HDPE	S= 880.82' 15" HDPE	E= 880.86' 14" RCP		
㉑	Rectangular Inlet	885.77	W= 882.30' 12" PVC				
㉒	Curb Inlet		N= 879.95' 15" HDPE	S= 879.38' 24" HDPE			
㉓	Curb Inlet		N= 875.38' 24" HDPE	S= 874.97' 30" HDPE			
㉔	Curb Inlet		E= 876.03' 12" PVC				
㉕	Inlet	880.64	Center= 873.78'	N= Could not measure.	S= Could not measure.		
㉖	Inlet	881.23	NW= 876.23' 18" HDPE	E= 876.16' 18" HDPE	SW= 876.34' 6" HDPE		
㉗	Manhole	879.40	Center= 875.24'	N= 875.48'	E= 875.28' 30" RCP		Field verify, pipes are recessed in manhole.
㉘	Manhole	881.40	Center= 873.98'	W= Could not measure. 42" RCP	W= Could not measure. 42" RCP	S= Could not measure.	
㉙	Manhole	885.62	Center= 871.41'	W= Could not measure 42" RCP	E= Could not measure. 42" RCP		
㉚	Manhole	886.90	Center= 873.35'	NW= Could not measure. 36"	W= Could not measure. 24"	E= Could not measure. 42" RCP	
㉛	Curb Inlet	885.70	SW= 882.95' 12" HDPE	E= 882.90' 15" RCP			Concrete buildup in bottom of structure.
㉜	Curb Inlet	884.04	NE=876.89' 6" HDPE	SE=876.56' 15" HDPE			
㉝	Inlet	879.83	S=876.10' 6" HPDE	N=876.14' 15" HDPE			
㉞	Curb Inlet	880.67	E=877.84' 12" RCP				

SANITARY SEWER							
No	Type	RIM ELEV	IE	IE	IE	IE	Notes
		881.10					
⑤	Manhole		N=871.68'	S=871.57'			
⑬	Manhole	884.68	Could not measure.				Could not remove lid.
⑭	Manhole	886.83	S=873.25'	N= could not measure, pipe plugged			
		885.90					
⑰	Cleanout		Bot = 887.60'				Measured to "assumed" bot of structure
⑱	Manhole	882.38	Center= 872.83'	S=872.53'	N=872.44'		
⑲	Manhole	879.30	N=871.46'	E=871.16' 8" VP	W=871.24' 8" VP		
⑳	Manhole	885.93	Center=876.44'	E= 876.4 8" Clay	W= 876.40 8" Clay		
㉑	Manhole	886.52	Center=877.32'	E= Could not measure.	W= Could not measure.		

		02-10-23	ARG
		08-20-21	EEL
2	UPDATE INVERT INFORMATION		
1	COMMENTS		
MARK	REVISION		BY
		DATE	DATE
Engineer: ARG	Checked By: ARG	Scale: 1" = 40'	
Technician: AMS	Date: 02-10-23	T-R-S: T07N-R09E-35	
Project No: 121.0555.30C			Sheet 2 of 2

EXISTING CONDITONS SURVEY

VILLAGE ON PARK

CITY OF MADISON, DANE COUNTY, WISCONSIN

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

SNYDER & ASSOCIATES, INC. |



GENERAL NOTES

1. THIS DESIGN IS BASED UPON SURVEY DATA PROVIDED BY OTHERS. EXISTING SITE FEATURES DEPICTED ON THESE DRAWINGS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND JSD MAKES NO GUARANTEE THAT SAID DATA IS ACCURATE OR ALL-INCLUSIVE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. ALL DISCREPANCIES FOUND BY CONTRACTOR SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
5. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY, RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE-GROUND OBSERVATION, OF WHICH THE ENGINEER MUST HAVE NO KNOWLEDGE OR MAY BE A PART OF "ANOTHER DESIGN DISCIPLINE." IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
3. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SURFACE.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. POLES TO BE SALVAGED FOR RELOCATION CAN BE STORED AT SOUTH TRANSFER STATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
- 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
- 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
- 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.

10. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL, / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
12. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
14. EXISTING FIELD OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIELD OPTIC LINE LOCATION.
15. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
16. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
17. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
18. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
19. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
20. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

CONSTRUCTION SEQUENCING

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
3. DEMOLISH BUILDINGS, REMOVE PAVEMENT.
4. CONDUCT ROUGH GRADING EFFORTS.
5. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
6. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
7. PLACE TOPSOIL, AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
8. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

PAVING NOTES

1. GENERAL
- 1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF MADISON ORDINANCES AND THE GEOTECHNICAL REPORT.
- 1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
- 1.3. SURFACE PREPARATION – NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
- 1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
- 2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
- 2.2. WEATHER LIMITATIONS – APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
- 2.3. GRADE CONTROL – ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
- 2.4. CRUSHED AGGREGATE BASE COURSE – THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 501 AND 505, STATE HIGHWAY SPECIFICATIONS.
- 2.5. BINDER COURSE AGGREGATE – THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 515, STATE HIGHWAY SPECIFICATIONS.
- 2.6. SURFACE COURSE AGGREGATE – THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.
- 2.7. ASPHALTIC MATERIALS – THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
3. CONCRETE PAVING SPECIFICATIONS
- 3.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.2. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
- 3.3. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AS DEPICTED ON THE PLANS. REFER TO DETAILS SHEETS FOR ADDITIONAL SPECIFICATIONS.
- 3.4. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER OR AS INDICATED ON THE PLANS.
- 3.5. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
- 3.6. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
4. PAVEMENT MARKING SPECIFICATIONS
- 4.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES AND WHITE LATEX PAINT FOR CROSSWALKS.
- 4.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
- 4.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.
- 4.4. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
5. ALL DISTURBED AREAS SHALL BE SOODED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOO/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
6. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TIMES BELOW STORMWATER MANAGEMENT FACILITY TO PROMOTE INFILTRATION.
7. CONTRACTOR SHALL WATER ALL NEWLY SOODED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
8. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO PLACING PLANTINGS, SOODING, AND/OR SEEDING AND MULCHING.
9. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
10. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER (FOR REPAIR OF EROSION), REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNr TECHNICAL STANDARD 1059 AND CITY OF MADISON ORDINANCE.

UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
• OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
• VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSEINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
• NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
• NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
• COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF ANY UNDERGROUND DEVELOPMENT. REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN – AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
4. SPECIFICATIONS SHALL COMPLY WITH THE CITY OF MADISON SPECIAL PROVISIONS.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
9. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

12. STORM SEWER SPECIFICATIONS –
- PIPE – REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE "S".
- INLETS – INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 28 OF THE "STANDARD SPECIFICATIONS", OR APPROVED EQUAL WITH A 1'-8" X 2'-6" MAXIMUM OPENING. CURB FRAME & GRATE SHALL BE NEDNAH R-3067 WITH TYPE R GRATE, OR EQUAL.
- BACKFILL AND BEDDING – STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".
- MANHOLE FRAMES AND COVERS – MANHOLE FRAMES AND COVERS SHALL BE NEDNAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.
- FIELD TILE CONNECTION – ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

13. WATER MAIN SPECIFICATIONS –
- PIPE – DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 OF THE "STANDARD SPECIFICATIONS". POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON R.O. AND INTEGRAL ELASTOMERIC BELL AND SPOUT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH SPS 382.30(1)(V).
- VALVES AND VALVE BOXES – GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.2.7.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.
- HYDRANTS – HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF MADISON. THE DISTANCE FROM THE CENTERLINE OF THE LOWEST LAYER OF THE LOWEST AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL).
- BEDDING AND COVER MATERIAL – PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.4.3.2 OF THE "STANDARD SPECIFICATIONS".
- BACKFILL – BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

14. SANITARY SEWER SPECIFICATIONS –
- PIPE – SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.
- BEDDING AND COVER MATERIAL – BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.4.3.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."
- BACKFILL – BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".
- MANHOLES – MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE CITY OF MADISON.
- MANHOLE FRAMES AND COVERS – MANHOLE FRAMES AND COVERS SHALL BE NEDNAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.
15. WATERMAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).
16. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(1)(V), SPS 382.36(7)(D)(i), AND SPS 382.40(6)(K). COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER – GREEN, STORM SEWER – BROWN, WATER – BLUE, NON-POTABLE WATER – PURPLE.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF MADISON OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF MADISON ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
5. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF MADISON PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PROGRESS/APPREVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE. VEHICLE ACCESS SHALL BE SWEEP AND/OR SCRAPPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF MADISON.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROL ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN CONJUNCTION WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.

13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT. IF A COMBINATION THEREOF AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNr TECHNICAL STANDARDS 1052 AND 1053.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNr TECHNICAL STANDARD 1068.
15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNr REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNr REQUIREMENTS.
17. CONTRACTOR SHALL PREPARE A CONSTRUCTION DEWATERING PLAN AS PART OF THIS PROJECT FOR REVIEW AND APPROVAL BY CITY ENGINEER'S OFFICE.
18. CONTRACTOR SHALL COMPLETE SELF-INSPECTION OF THE EROSION CONTROL PRACTICES AND POST THESE INSPECTIONS TO THE CITY OF MADISON WEBSITE AS REQUIRED BY MGD CHAPTER 37.
19. STABILIZATION PRACTICES
- 19.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
19.2. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
19.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED. (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE ON THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED.
19.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
• PERMANENT SEEDING IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
• TEMPORARY SEEDING MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (100LBS/ACRE)
• HYDRO-MULCHING WITH A TACKIFIER
• GEOTEXTILE EROSION MATTING
• SOODING

STORMWATER FACILITIES CONSTRUCTION NOTES

1. THE PROPOSED UNDERGROUND STORMWATER MANAGEMENT FACILITY SHALL BE INSTALLED AS PART OF THE PHASE 2 WORK
2. ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES SHALL BE OBSERVED AND DOCUMENTED BY THE ENGINEER, OR AN OWNER'S REPRESENTATIVE.
3. UNDERGROUND STORMWATER MANAGEMENT FACILITY SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.
4. AREAS USED FOR TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.
5. CONSTRUCTION TRAFFIC, HEAVY EQUIPMENT AND SOIL STOCKPILES SHALL NOT BE PLACED IN AREAS WHERE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE LOCATED.
6. NATIVE SOIL INFILTRATION RATES BELOW STORMWATER FACILITIES SHALL BE VERIFIED BY THE OWNER'S GEOTECHNICAL ENGINEER PRIOR INSTALLATION OF FACILITIES. NATIVE SOIL INFILTRATION RATES SHALL BE EQUAL TO OR GREATER THAN DESIGN INFILTRATION RATES.
7. NATIVE SOILS SHALL BE BLENDED A MINIMUM OF TWO FEET PRIOR TO INSTALLATION OF STORMWATER INFILTRATION FACILITIES TO BREAKUP ANY LOWER PERMEABILITY SEAMS THAT MAY BE PRESENT.
8. THICKER SILT OR CLAY LAYERS SHALL BE OVER-EXCAVATED AND BACKFILLED WITH GRANULAR MATERIALS CONFORMING TO SPECIFICATIONS PER WDNr TECH STANDARD 1004.

CONSTRUCTION PHASING, STAGING & MATERIAL STORAGE

1. CONTRACTOR SHALL WORK WITH THE CITY OF MADISON PROJECT MANAGER, COMMUNITY DEVELOPMENT AUTHORITY (CDA), LIBRARY AND RELATED END USER'S TO FORMULATE PHASING, STAGING AND MATERIAL STORAGE PLANS) PRIOR TO GROUNDWORKING.
2. CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO THE BACK ALLEY WEST OF THE VILLAGER SHOPPING MALL. CONTRACTOR SHALL COORDINATE TIMING OF IMPROVEMENTS WITH CITY OF MADISON PROJECT MANAGER AND CDA.
3. CONTRACTOR SHALL MAINTAIN VEHICULAR ACCESS TO THE LIBRARY LOADING DOCK & TRASH ENCLOSURE AREA DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE TIMING OF IMPROVEMENTS WITH CITY OF MADISON PROJECT MANAGER AND CDA.
4. CONTRACTOR SHALL MAINTAIN PUBLIC PARKING AND PEDESTRIAN ACCESS TO VILLAGER MALL STORE ENTRANCES, IN ADDITION TO THE LIBRARY/URBAN LEAGUE/PLANNED PARENTHOOD ENTRANCES AT ALL TIMES DURING CONSTRUCTION.
5. CONTRACTOR SHALL PREPARE A CONSTRUCTION FENCING LOCATION PLAN AND STAGING TRAILER AND MATERIAL STORAGE PLAN FOR THE VARIOUS PHASES OF CONSTRUCTION FOR CITY OF MADISON AND CDA REVIEW.
6. CONTRACTOR SHALL COORDINATE POTENTIAL FOR STAGING AT SOUTH TRANSFER POINT WITH CITY OF MADISON/CDA STAFF

LEGEND

- PROPERTY LINE
RIGHT-OF-WAY
DEMOLITION – REMOVAL OF ONSITE CURB & GUTTER
SAWOUT EXISTING PAVEMENT
DEMOLITION – REMOVAL OF PAVEMENT MARKINGS
DEMOLITION – REMOVAL OF ASPHALT SURFACES
DEMOLITION – REMOVAL OF CONCRETE SURFACES
DEMOLITION – REMOVAL OF BUILDINGS/STRUCTURES
DEMOLITION – REMOVAL OF STORM UTILITIES
DEMOLITION – REMOVAL OF ELECTRIC UTILITIES
DEMOLITION – REMOVAL OF LANDSCAPE BEDDING
TREE REMOVAL
SHRUB REMOVAL
PROTECT & PRESERVE EXISTING TREE
DEMOLITION – REMOVE AND RETAIN LIGHT POLE FOR RELOCATION
SANITARY/STORM SEWER PLUG
EDGE OF PAVEMENT
STANDARD CURB AND GUTTER
REFLECT CURB AND GUTTER
18" CONCRETE VALLEY GUTTER
ASPHALT PAVEMENT
CONCRETE PAVEMENT
HEAVY DUTY CONCRETE PAVEMENT
MG& CLEAR ZONE
VISION TRIANGLE
PROPOSED 1 FOOT CONTOUR
PROPOSED 5 FOOT CONTOUR
EXISTING 1 FOOT CONTOUR
EXISTING 5 FOOT CONTOUR
LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
ADA PARKING SIGN
BOLLARD
BOLLARD WITH ADA PARKING SIGN
BIKE RACK
SANITARY SEWER
WATERMAIN
STORM SEWER
8"x4"x4" INSULATION (PLAN VIEW)
8"x4"x4" INSULATION (PROFILE VIEW)
SILT FENCE
CONSTRUCTION ENTRANCE
SPOT ELEVATION
EP – EDGE OF PAVEMENT
FG – FINISH GRADE
EC – EDGE OF CONCRETE
BOC – BACK OF CURB
EX – MATCH EXISTING GRADE
SW – SIDEWALK
INLET PROTECTION
CONCRETE WASH STATION AREA

CITY TRAFFIC ENGINEERING NOTES

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BUY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT.

CITY FORESTRY NOTES

1. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
2. AS DEFINED BY THE SECTION 107.13(C) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (268-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: <https://www.cityofmadison.com/BUSINESS/PW/SPCS/CFM>
3. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 268-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
4. SECTION 107.13(C) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR, THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPILLS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
5. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE EXECUTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
6. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 268-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 – PART 1 STANDARDS FOR PRUNING.
7. AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 268-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

WORK-IN-ROW NOTES

1. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE PREQUALIFIED WITH THE CITY OF MADISON. PREQUALIFICATION FORMS ARE AVAILABLE ON THE CITY'S WEBSITE AT <https://www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified>
2. THE CONTRACTOR IS REQUIRED TO OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY.

GRAEF

1010 East Wisconsin Avenue,
Suite 202
Madison, WI 53703
608 / 242 1550

www.graef-usa.com

CONSULTANTS:

JSD

CLIENT:

Community Development Authority of the
City of Madison



Madison Municipal Building
215 Martin Luther King Jr Blvd
Suite 161
Madison, WI 53703

PROJECT TITLE:

PHASE 1 VILLAGE ON PARK
PARKING STRUCTURE AND
GROCERY ALTERATION WORK

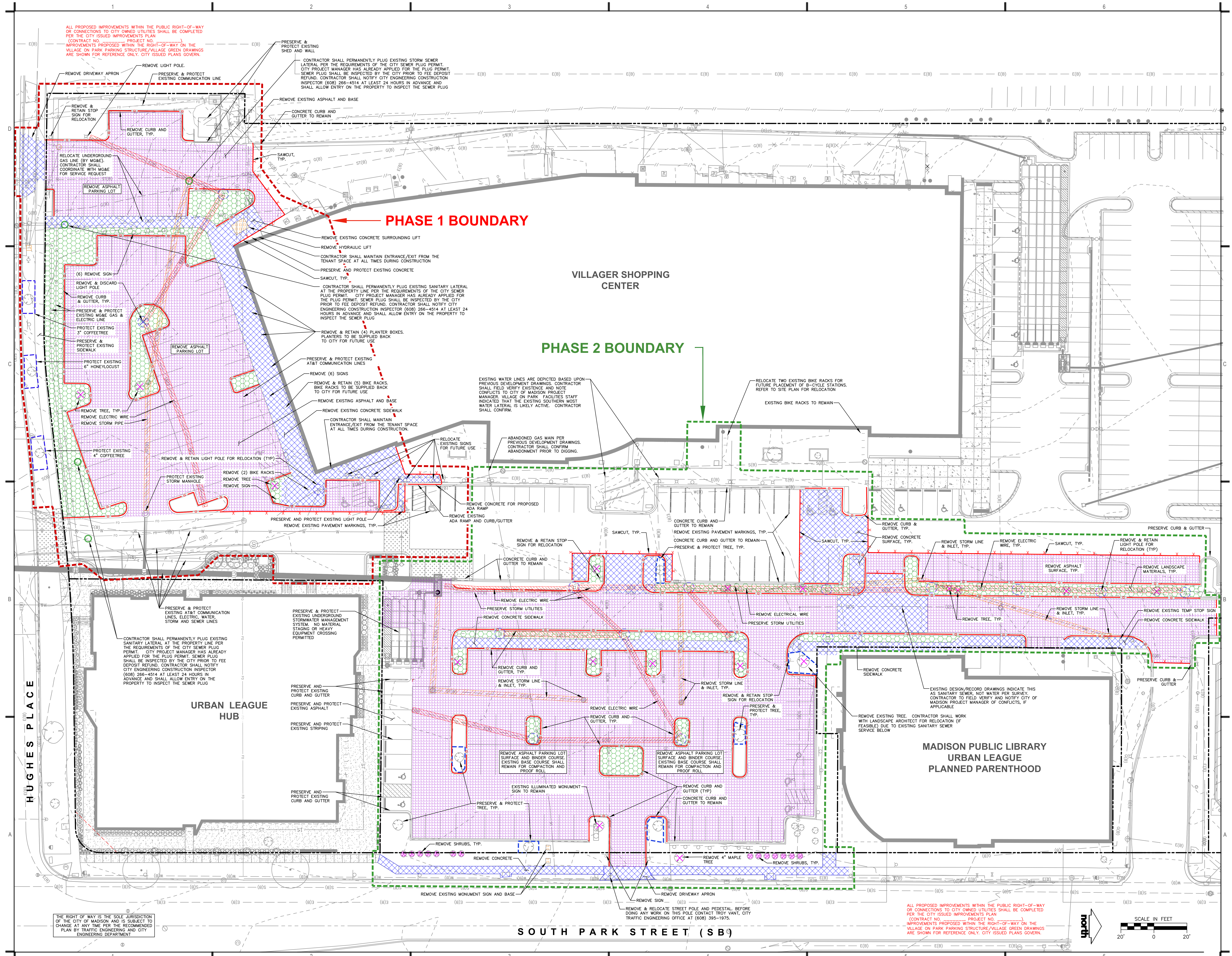
808 HUGHES PLACE
MADISON, WI 53713

ISSUE:

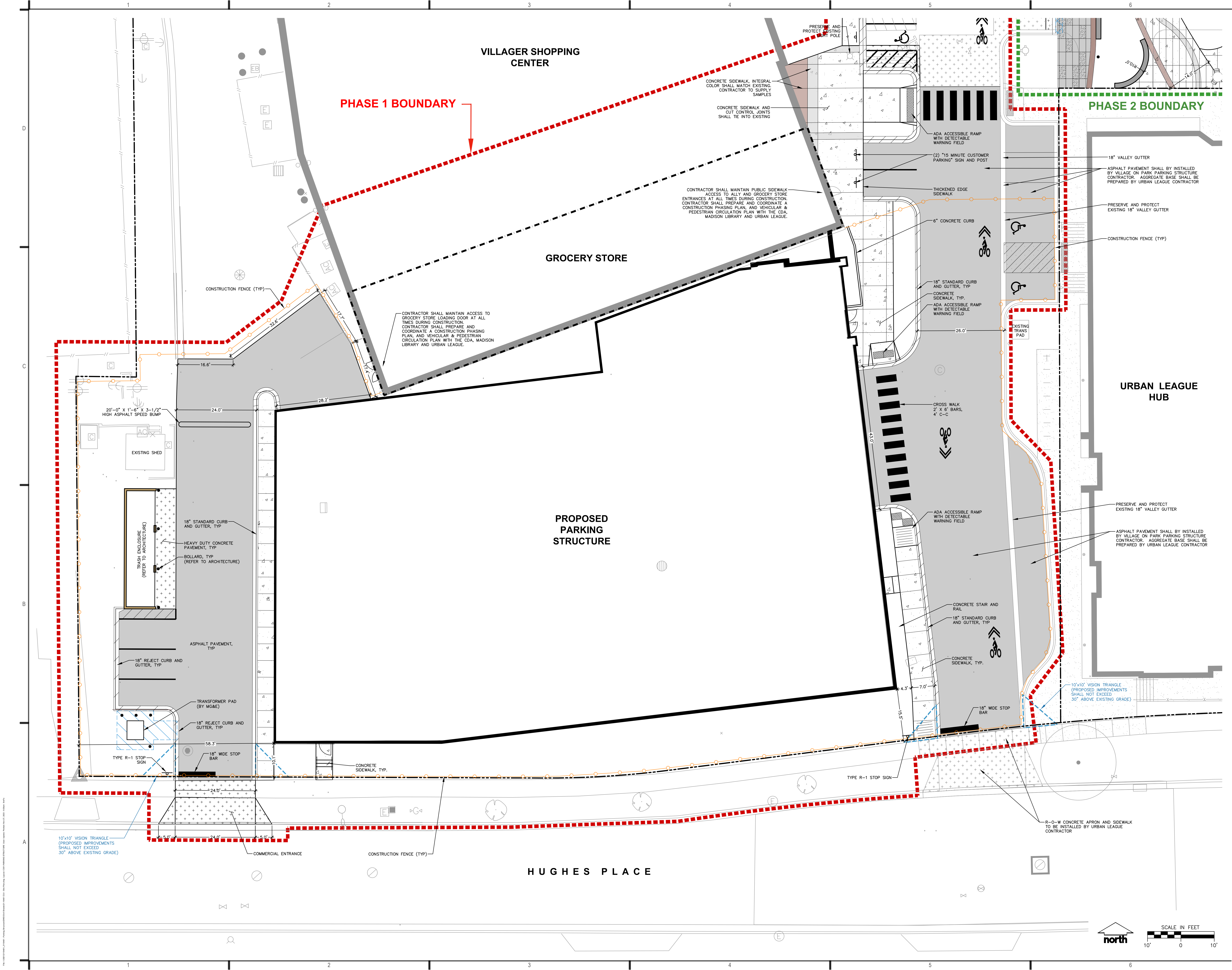
11/30/2023 BID DOCUMENTS

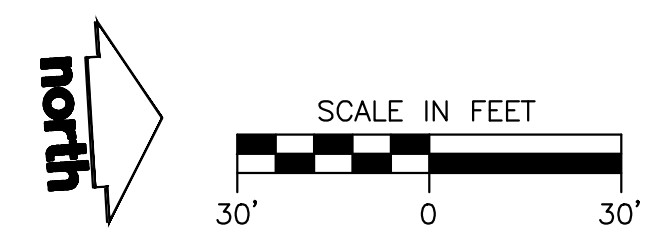
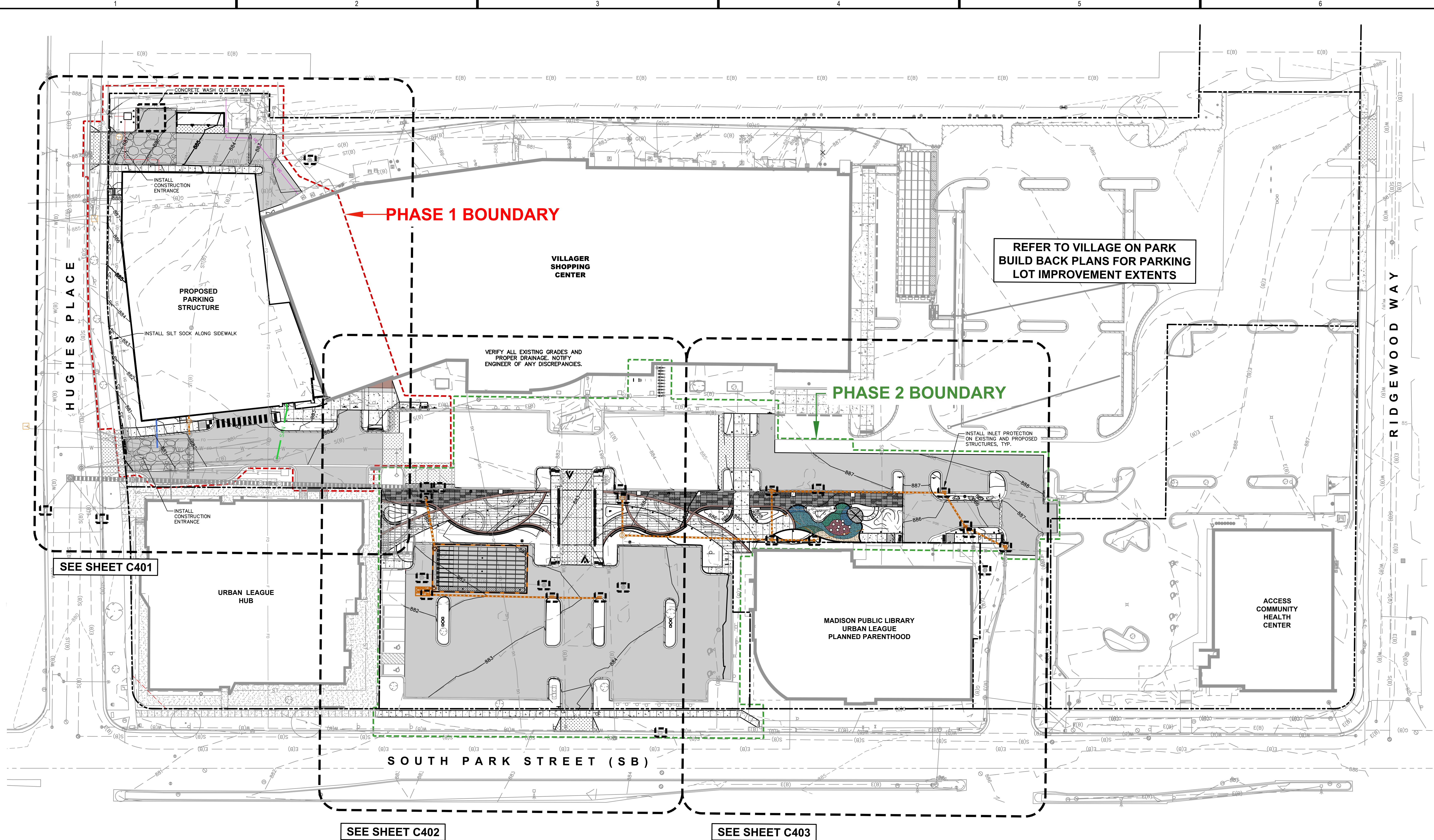
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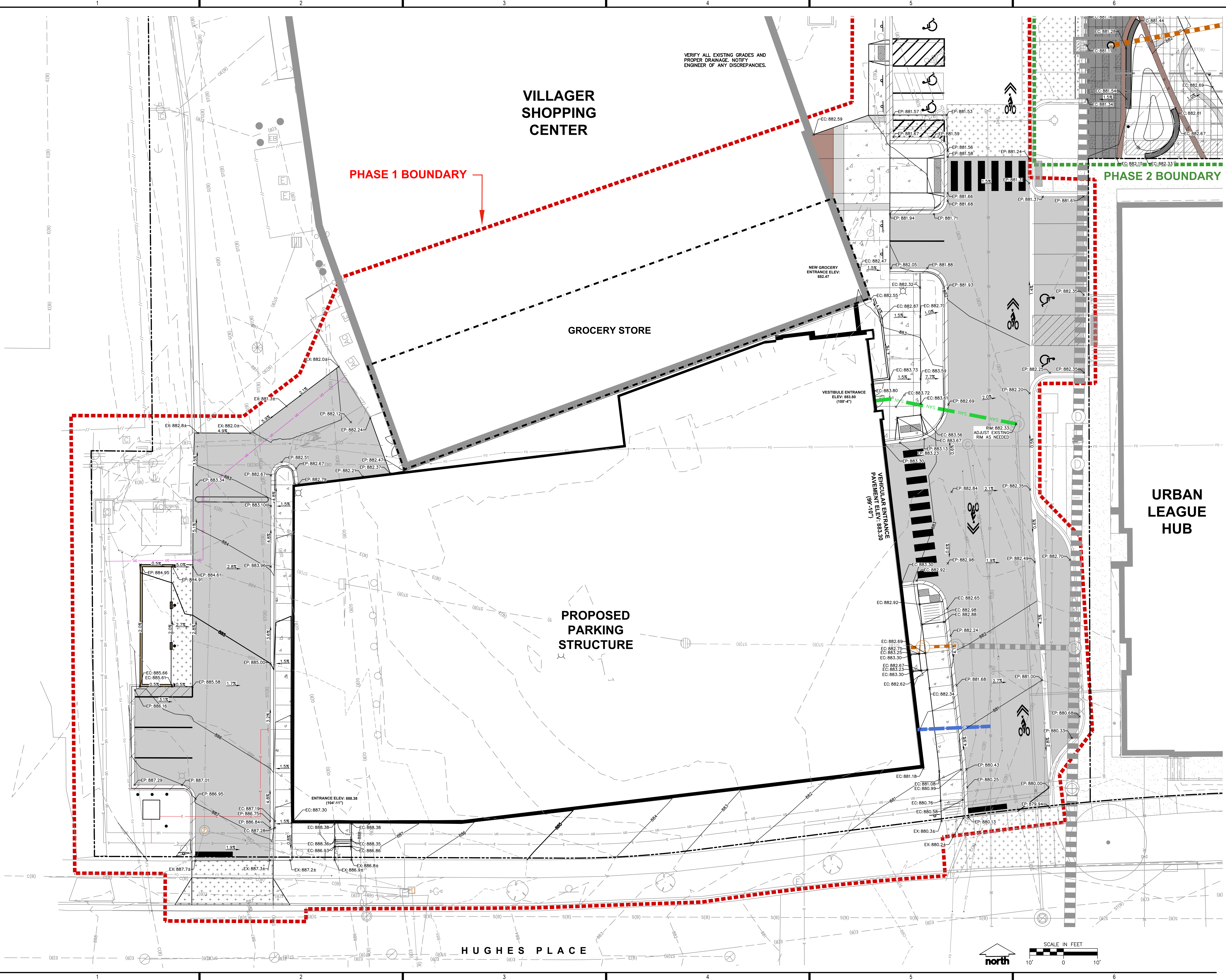
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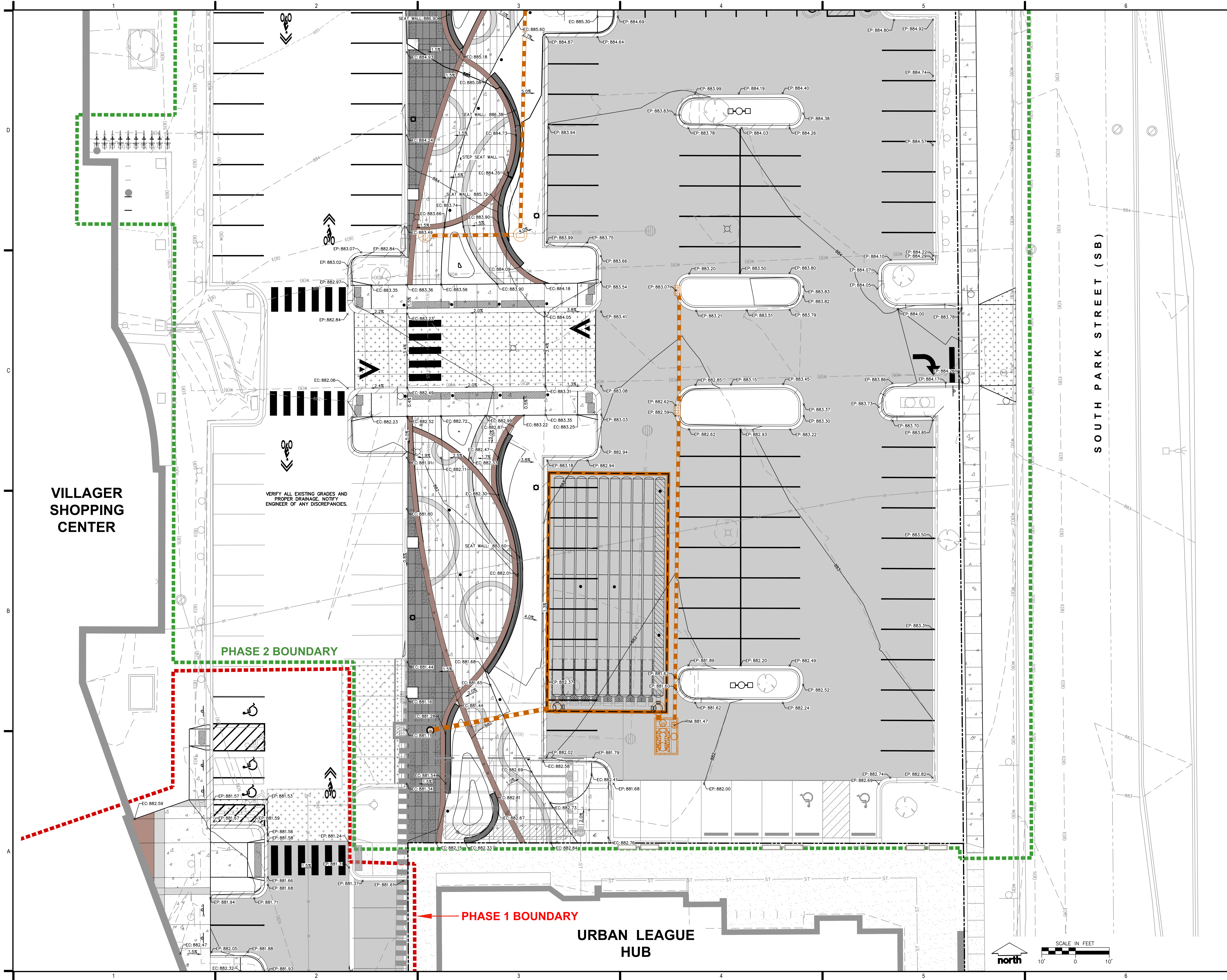


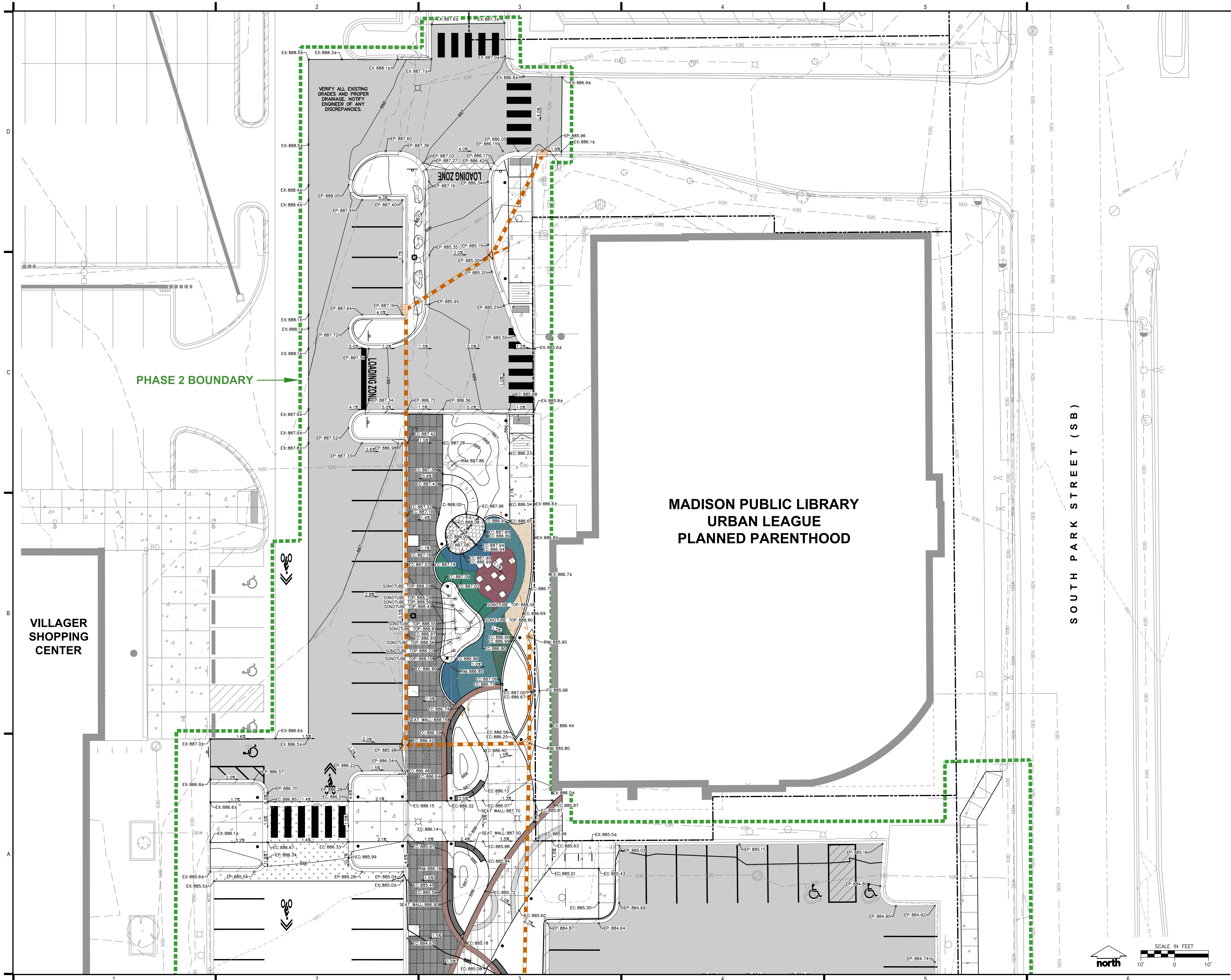


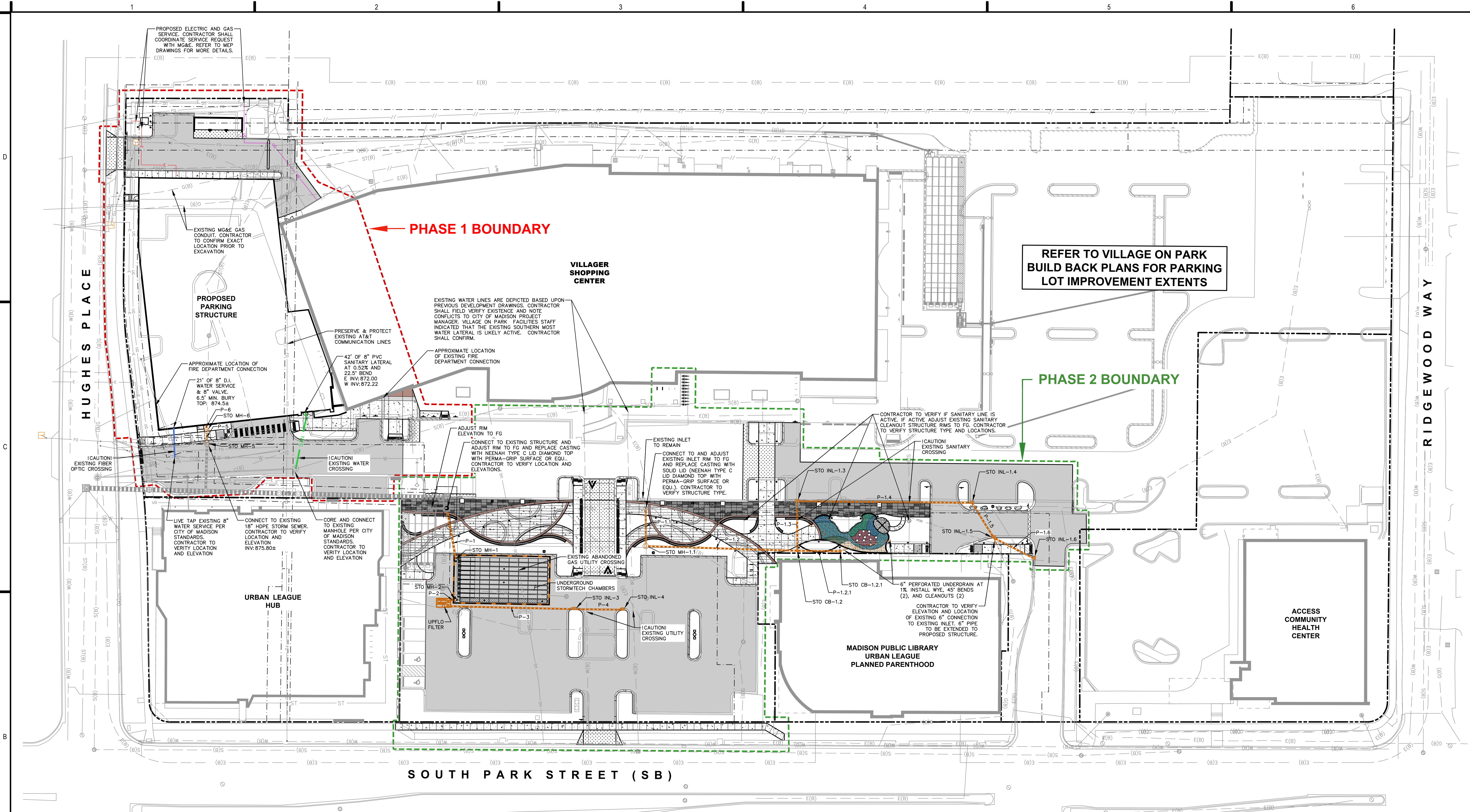


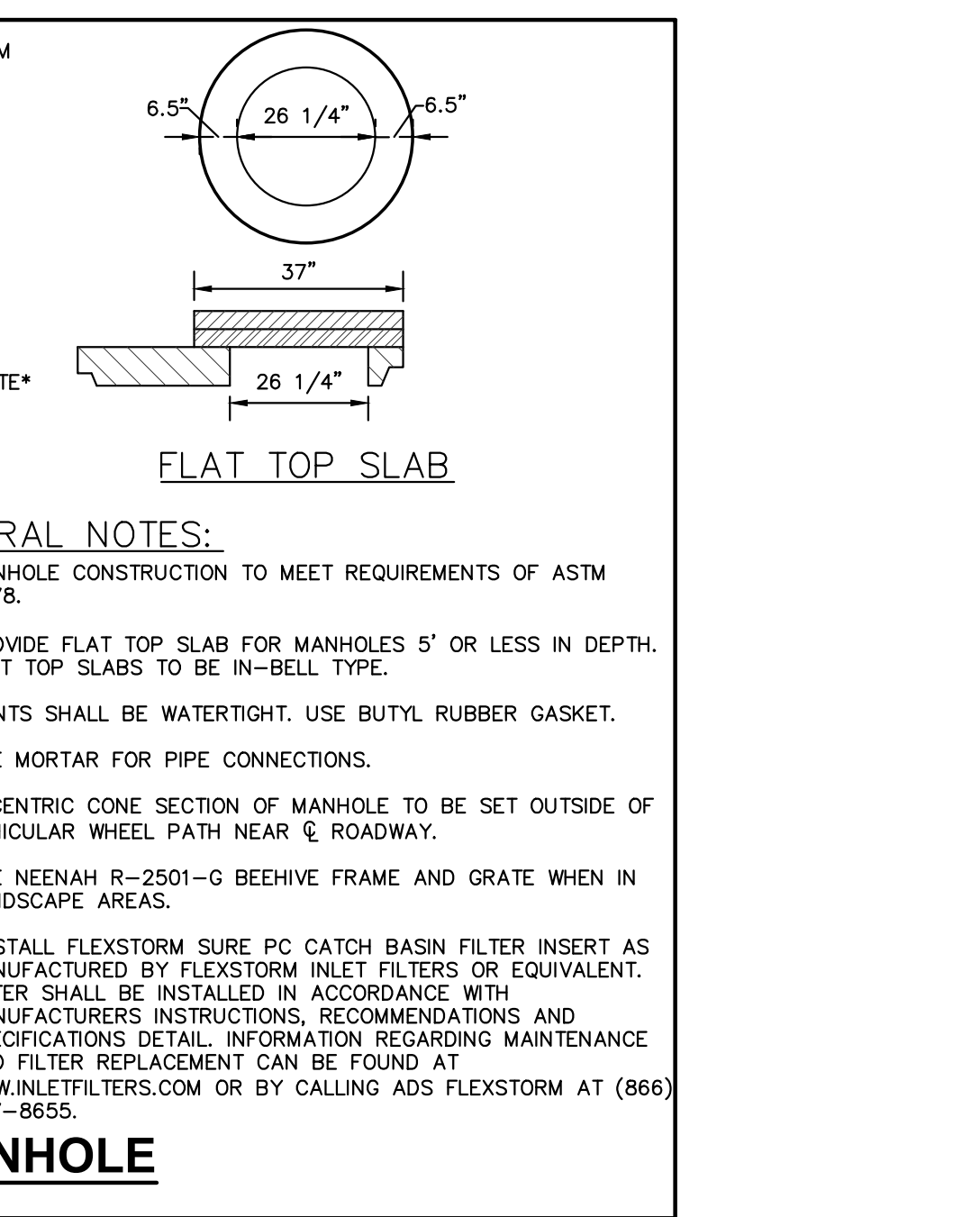
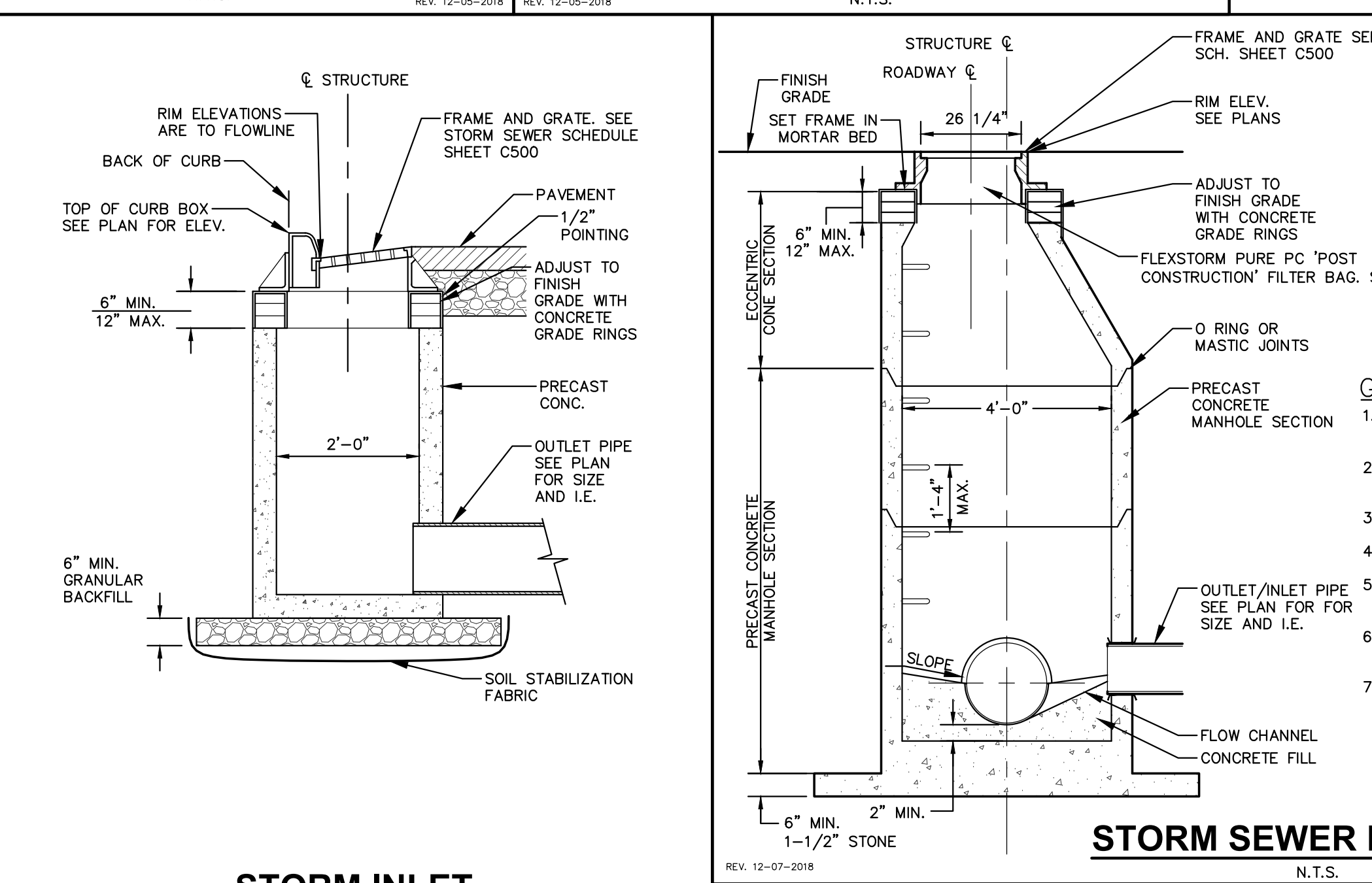
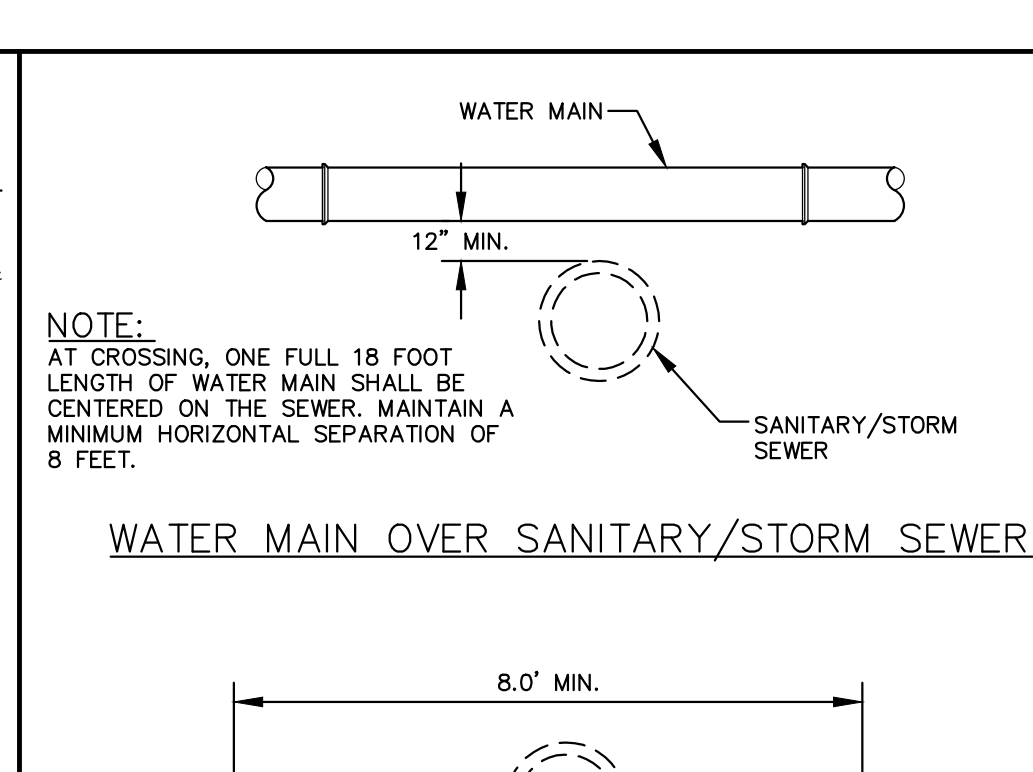


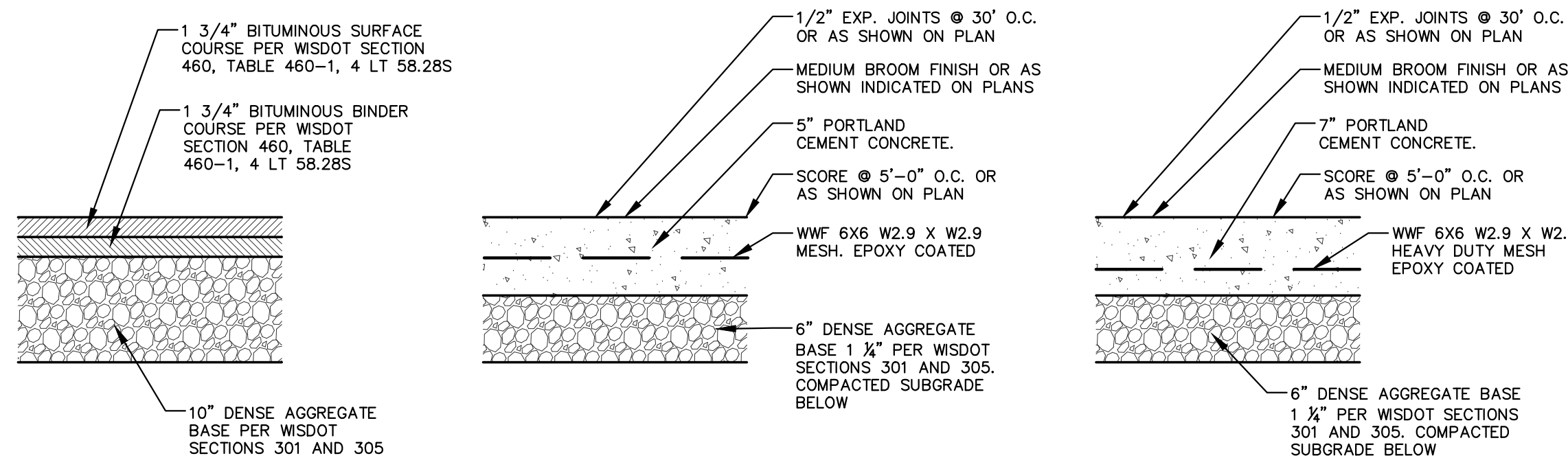












STANDARD ASPHALT PAVEMENT SECTION

CONCRETE SIDEWALK SECTION

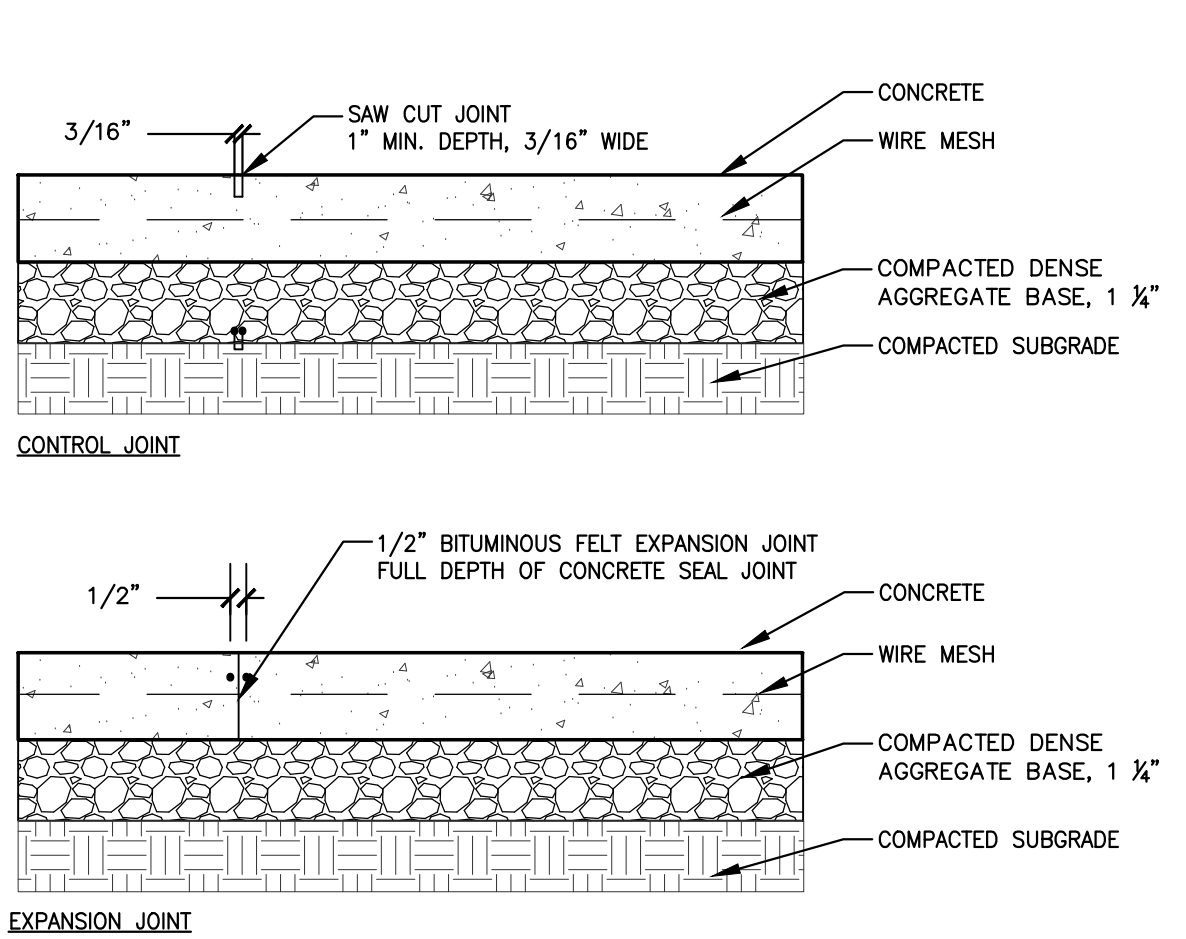
HEAVY-DUTY CONCRETE SECTION

GENERAL NOTES:

- REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY CGC, INC. TITLED "PRELIMINARY GEOTECHNICAL EXPLORATION REPORT" REPORT NUMBER C21192 DATED MAY 28, 2021, IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
- WSDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
 - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
 - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.

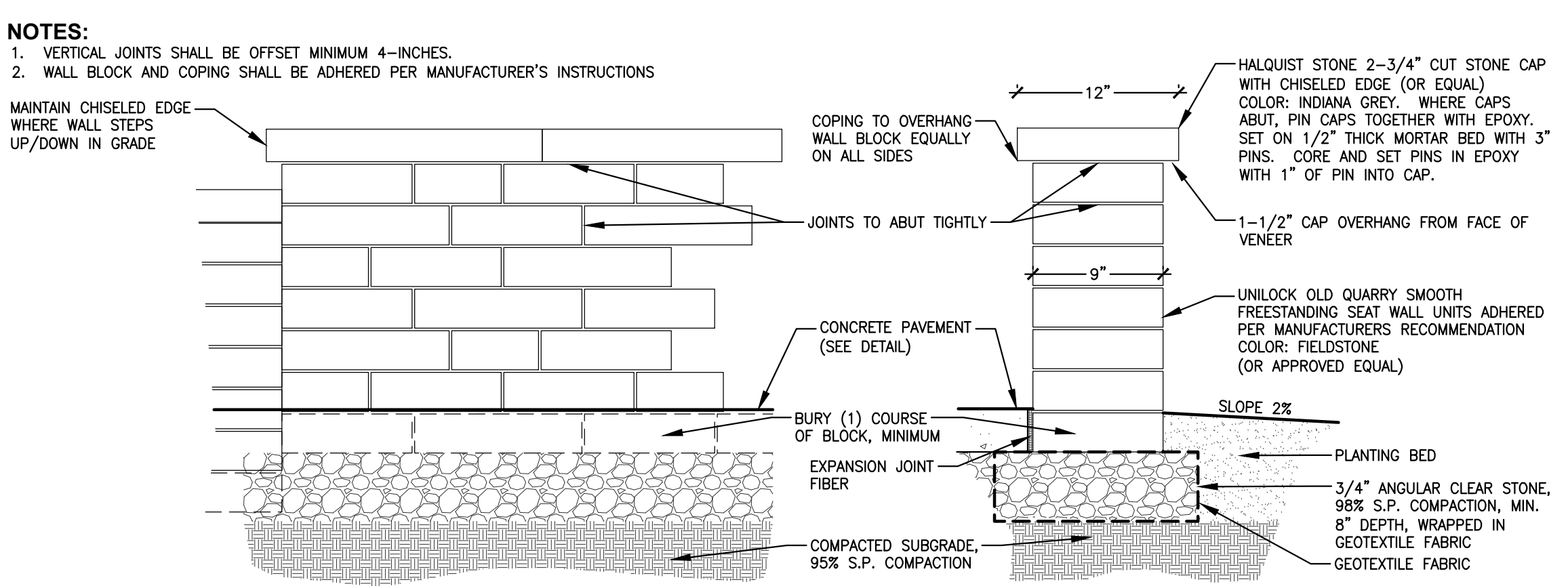
PAVEMENT SECTIONS

N.T.S.



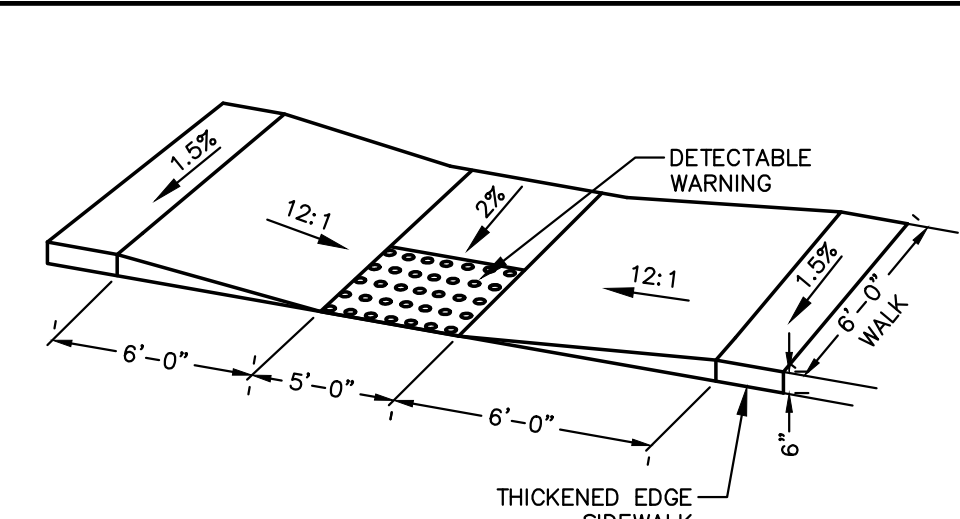
EXPANSION JOINT / CONTROL JOINT

N.T.S.



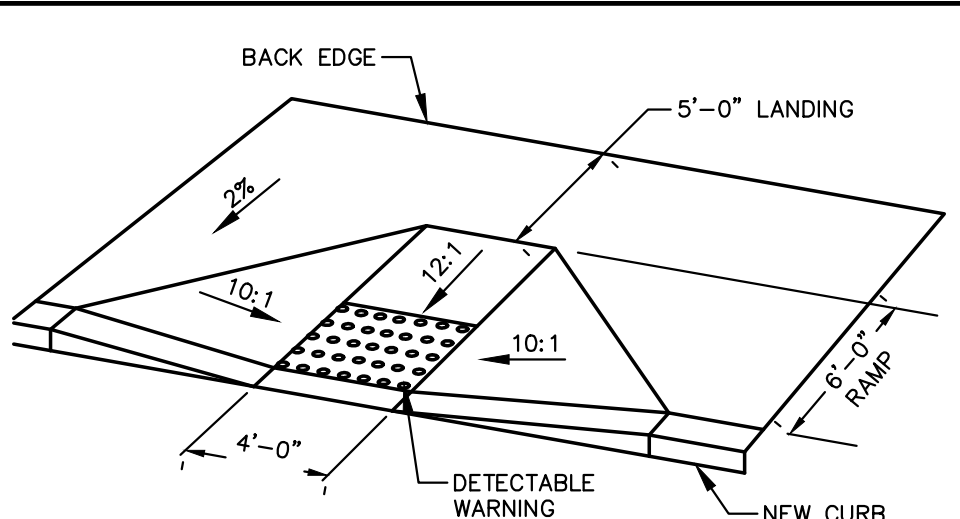
FREESTANDING SEAT WALL

N.T.S.



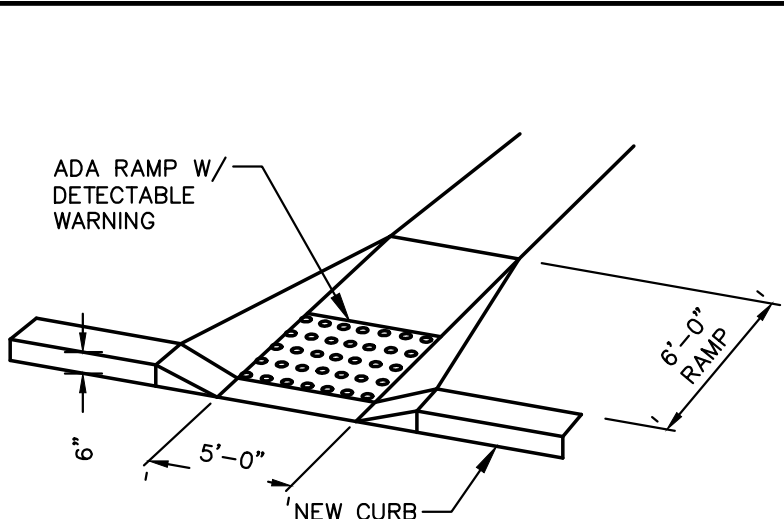
ADA ACCESSIBLE RAMP

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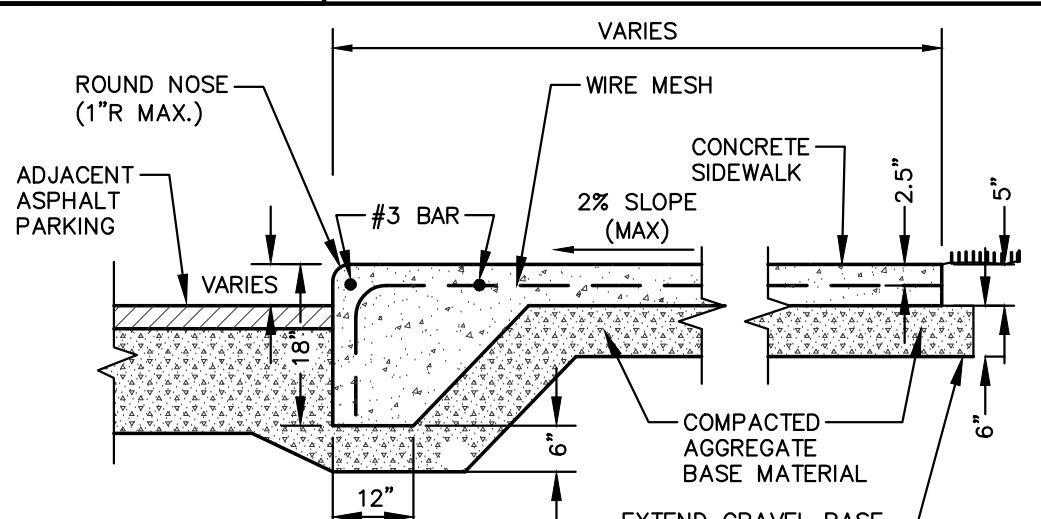
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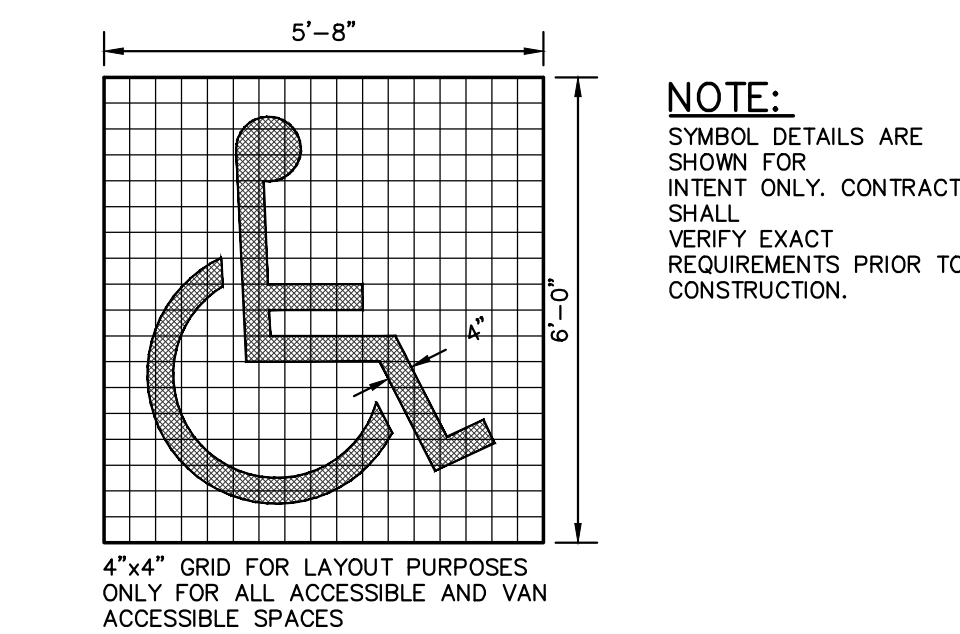
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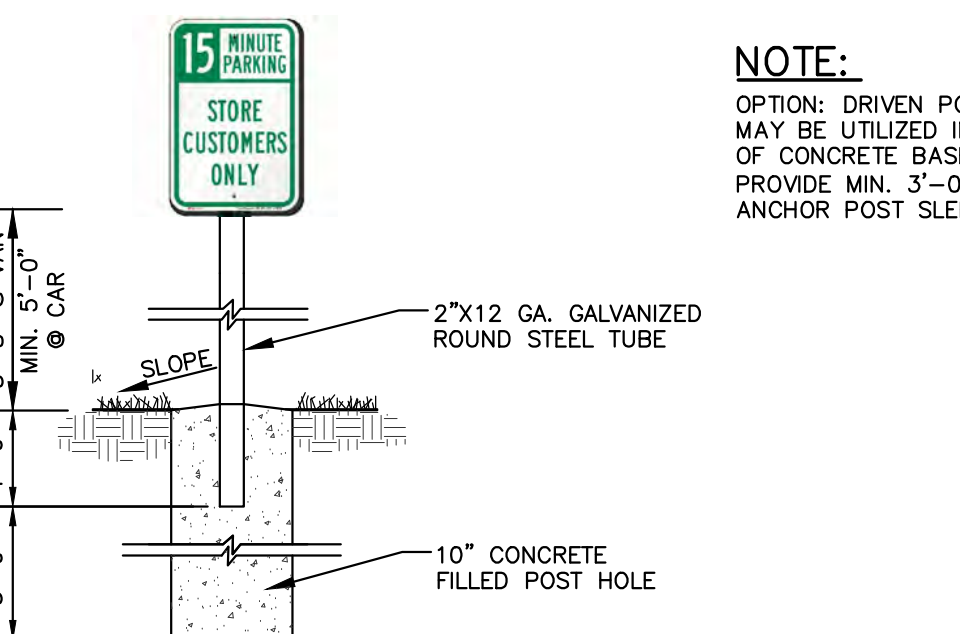
THICKENED EDGE SIDEWALK

N.T.S.



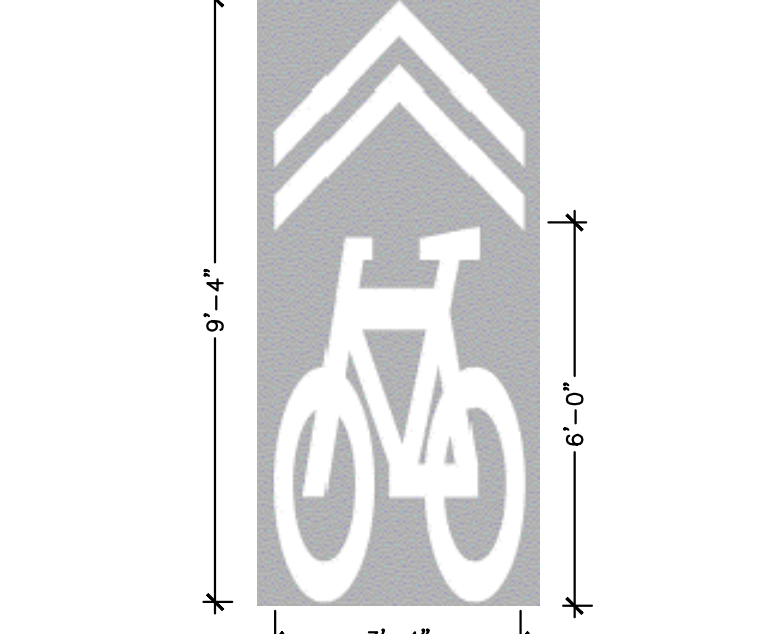
ADA PARKING STALL MARKING

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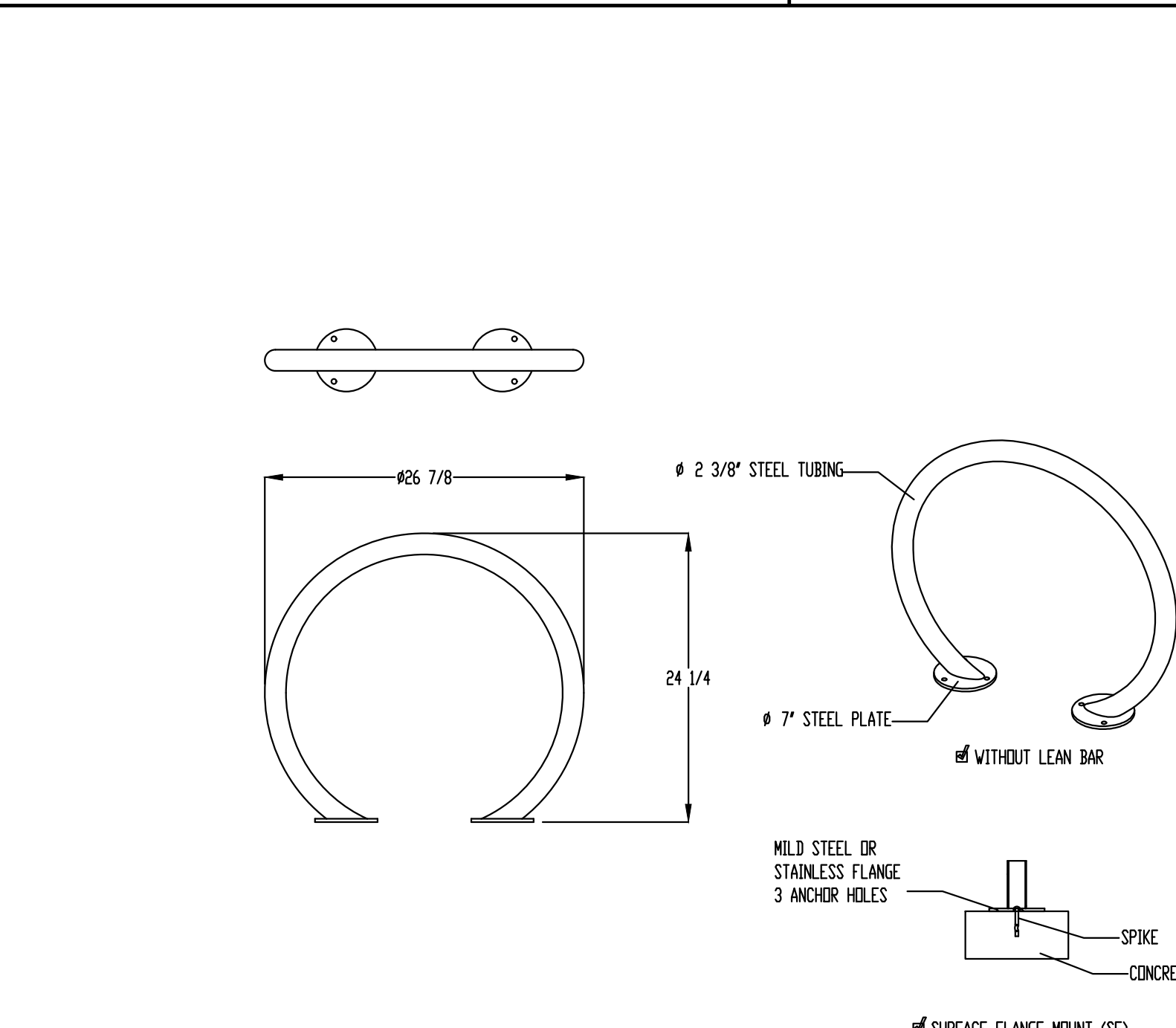
15 MINUTE PARKING SIGN

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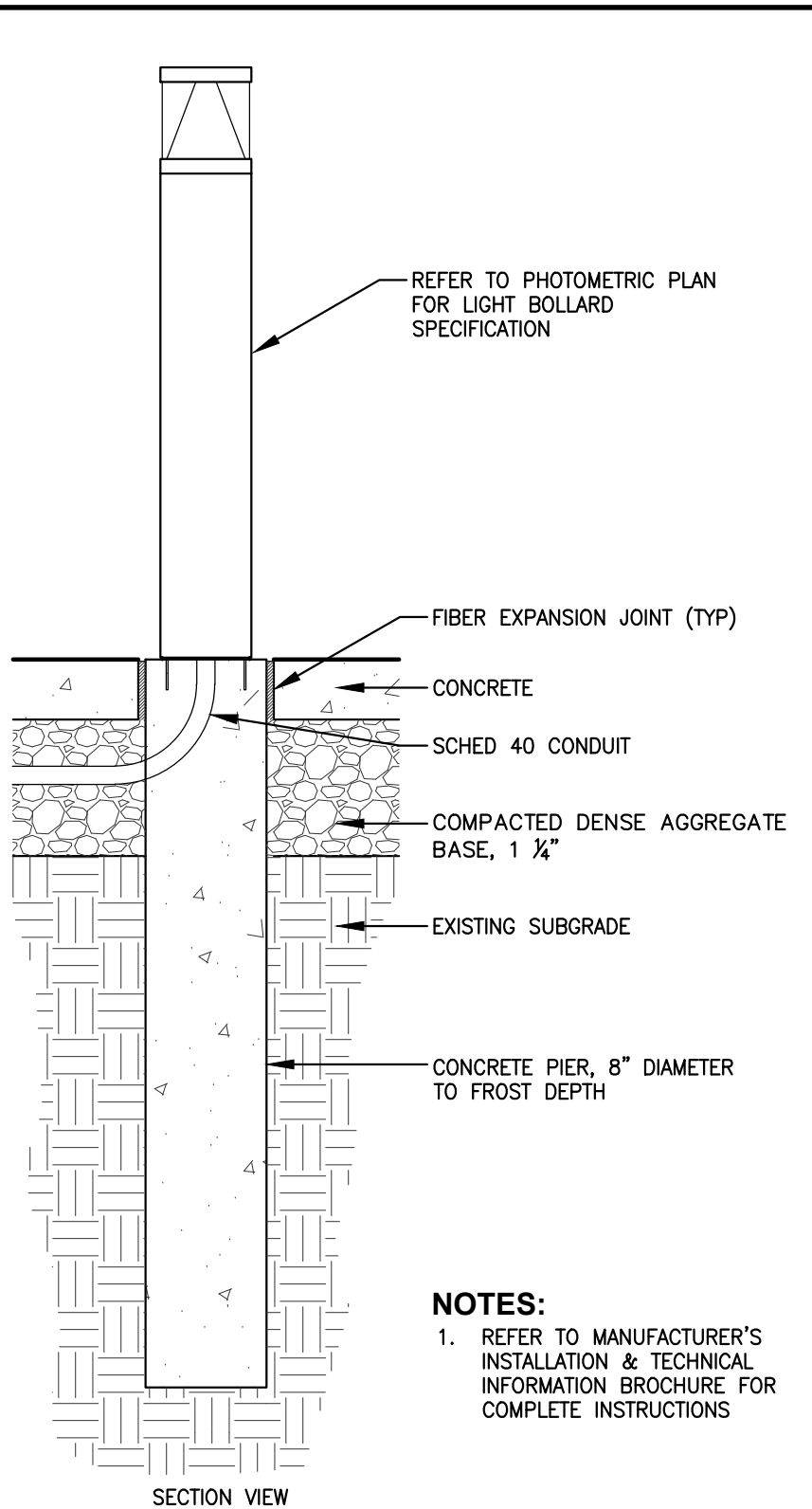
SHARED BIKE LANE MARKING

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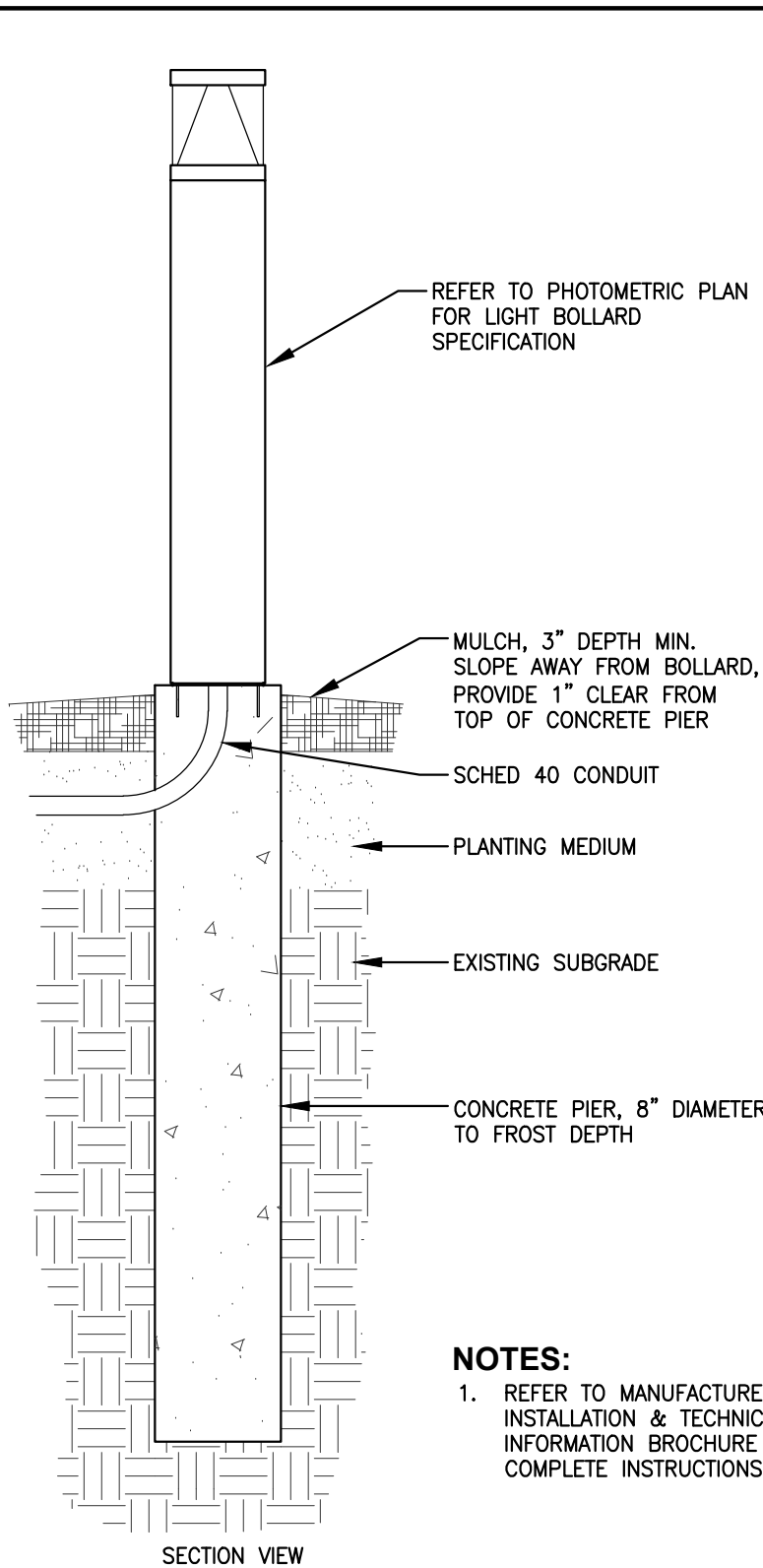
BIKE RACK

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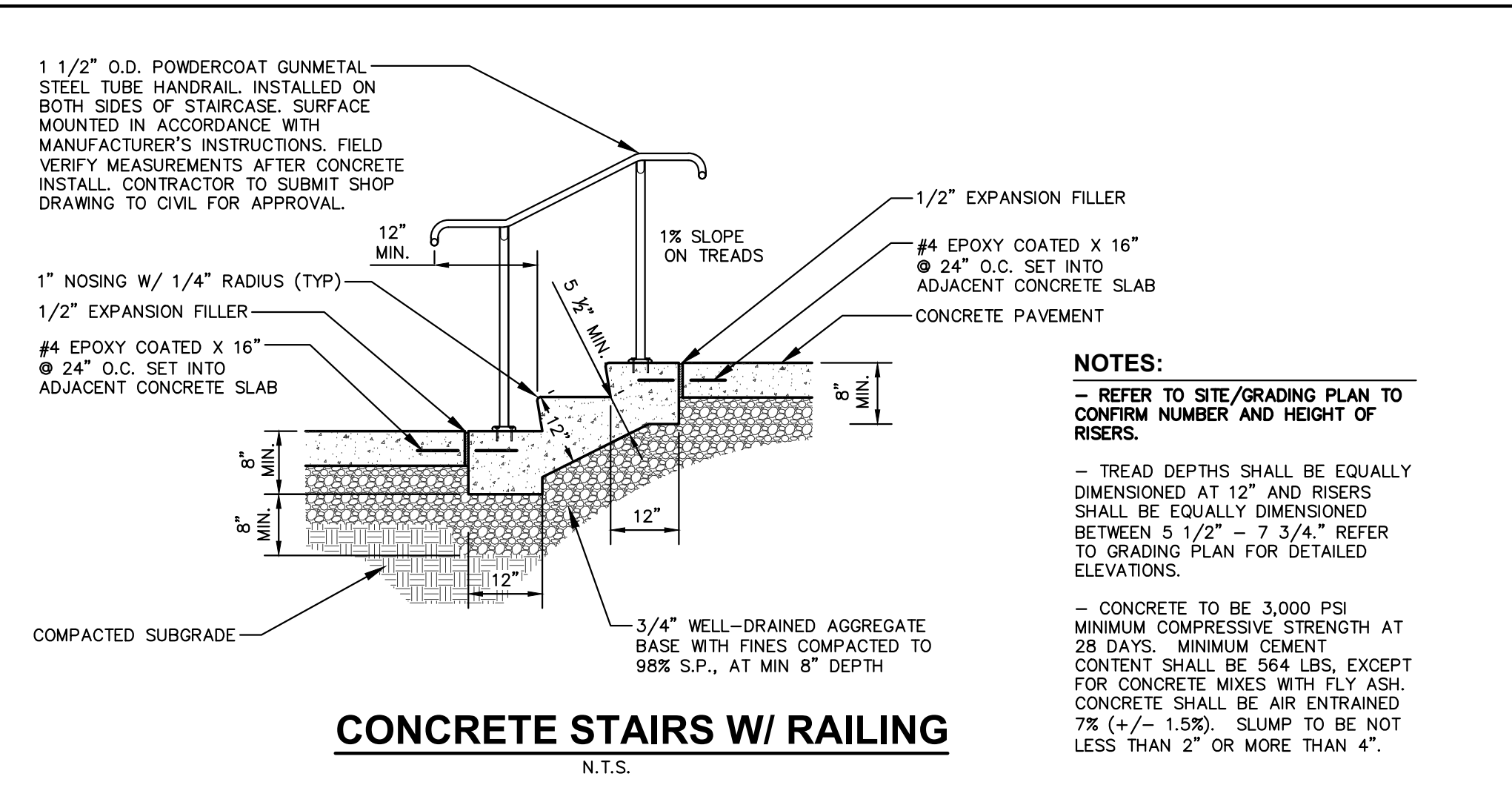
ILLUMINATED BOLLARD ON PAVEMENT

SCALE:



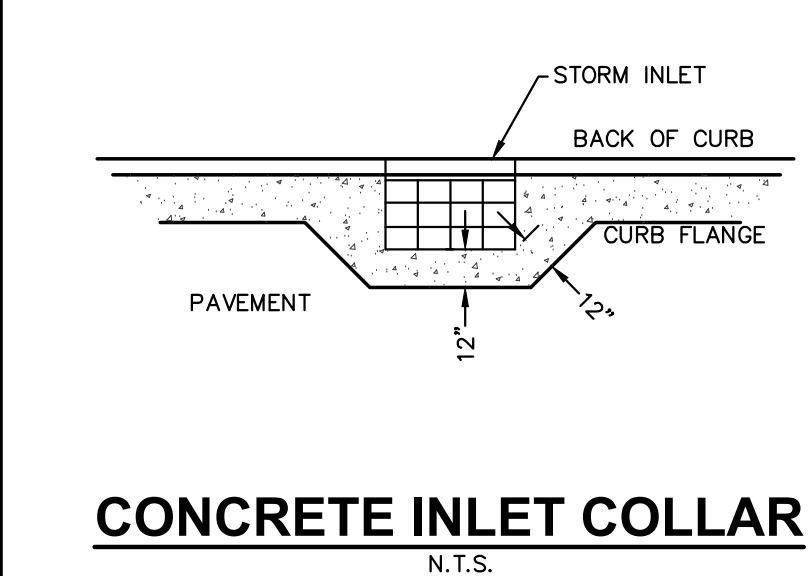
ILLUMINATED BOLLARD ON GRADE

SCALE:



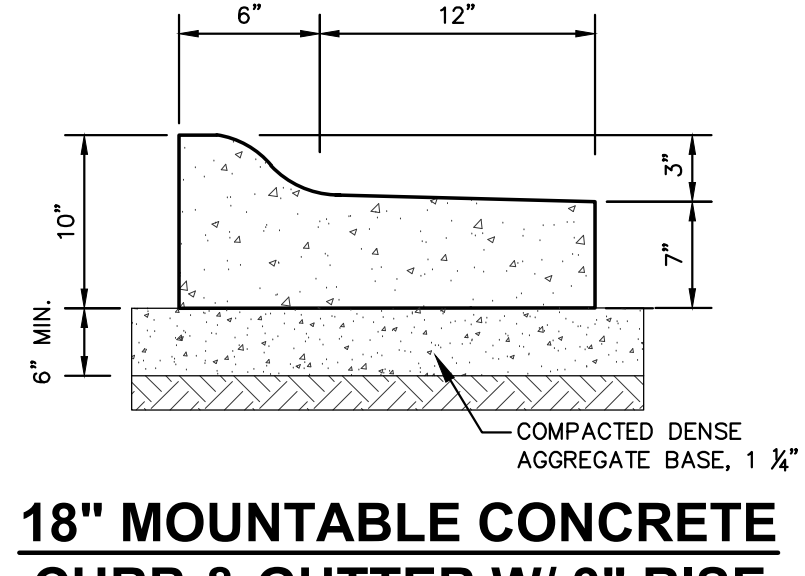
CONCRETE STAIRS W/ RAILING

N.T.S.



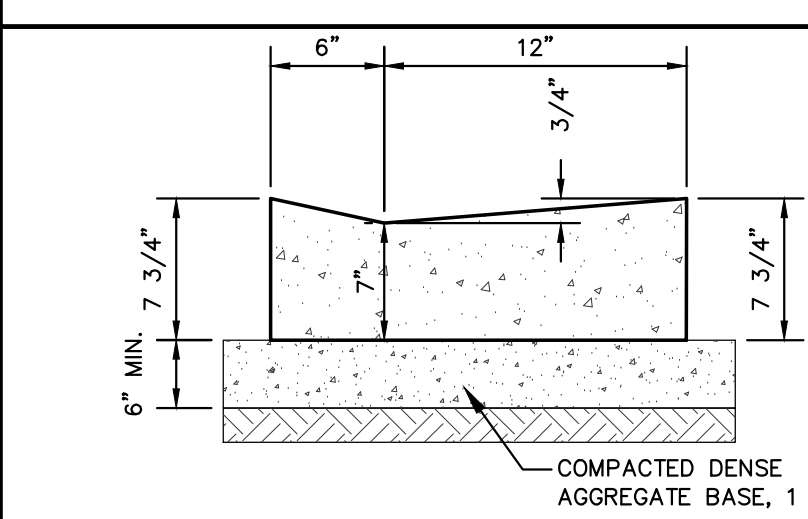
CONCRETE INLET COLLAR

N.T.S.



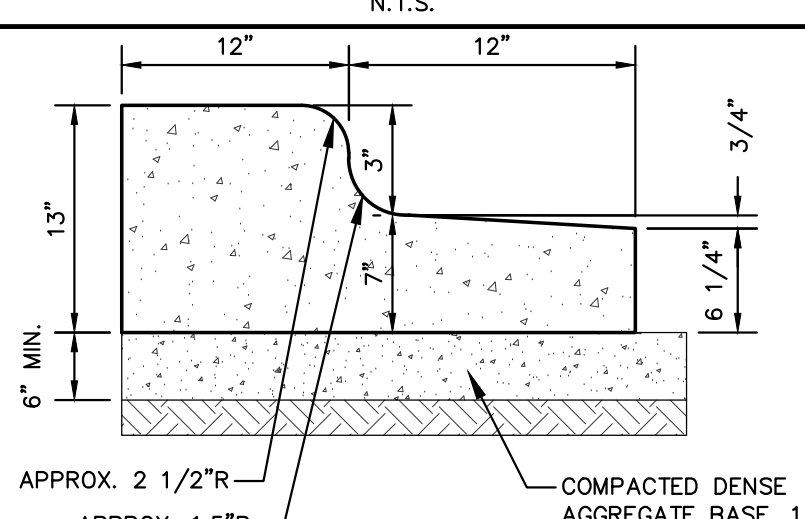
18" MOUNTABLE CONCRETE CURB & GUTTER W/ 3" RISE

N.T.S.



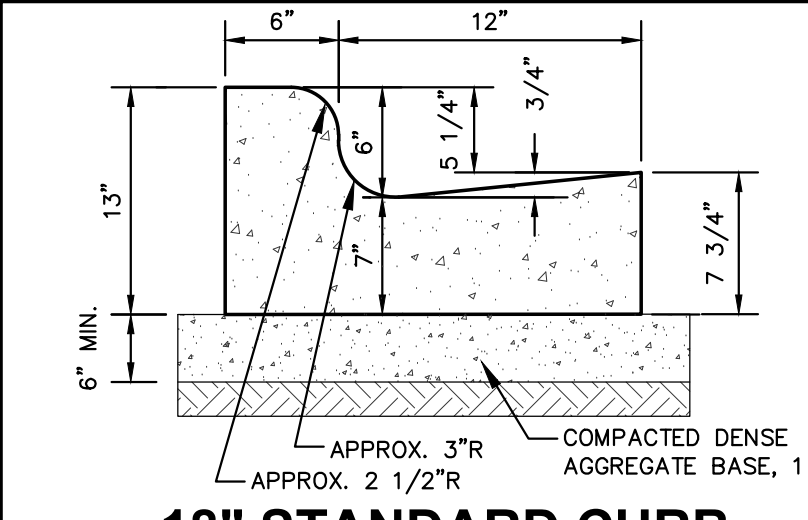
18" DRIVEWAY SECTION CURB & GUTTER

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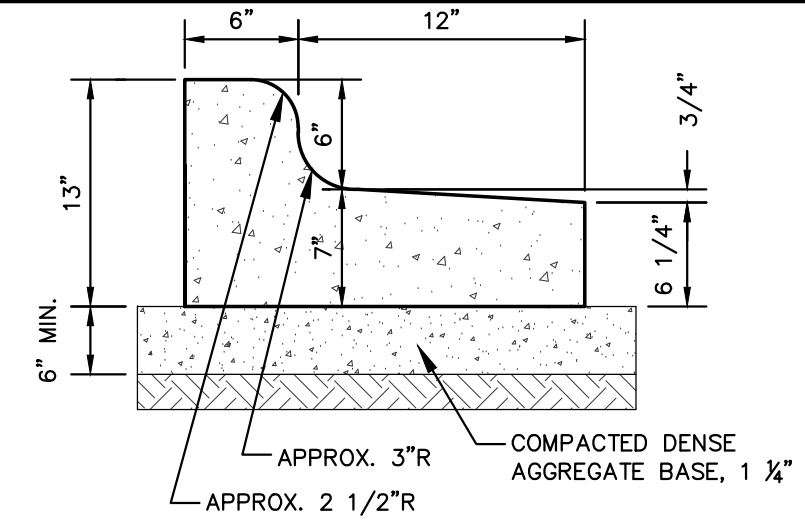
24" CURB & GUTTER

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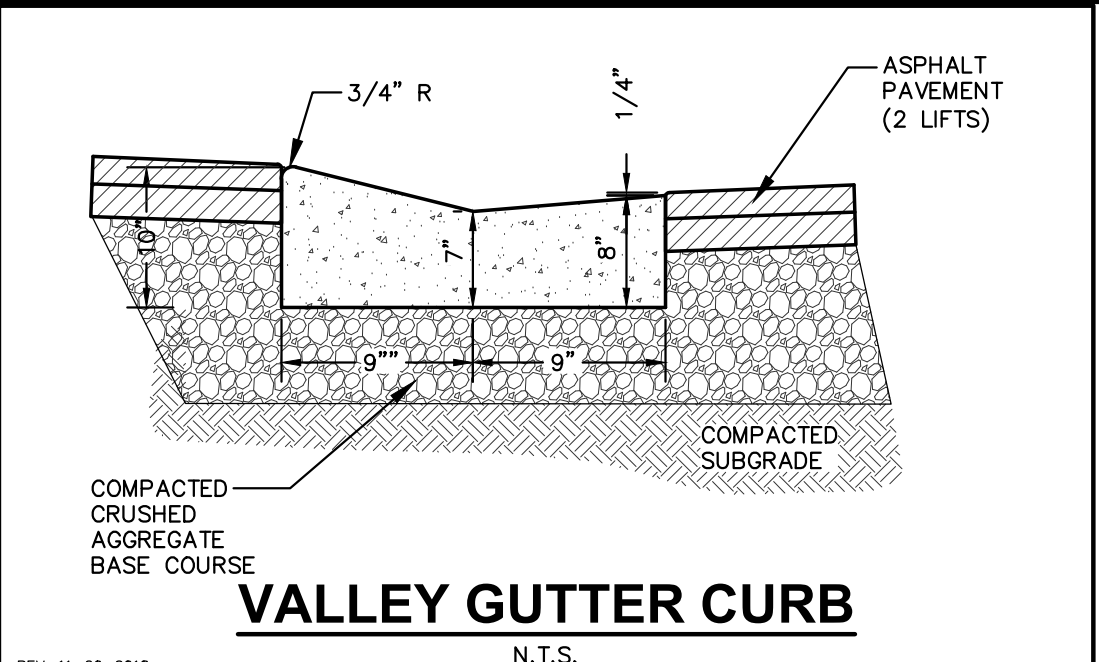
18" STANDARD CURB & GUTTER

N.T.S.



18" REJECT CURB & GUTTER

N.T.S.



VALLEY GUTTER CURB

N.T.S.

GRaEF

1010 East Wisconsin Avenue,
Suite 202
Madison, WI 53703
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www.graef-usa.com

CONSULTANTS:
JSD

CLIENT:
Community Development Authority of the
City of Madison



Madison Municipal Building
215 Martin Luther King Jr Blvd
Suite 161
Madison, WI 53703

PROJECT TITLE:
PHASE 1 VILLAGE ON PARK
PARKING STRUCTURE AND
GROCERY ALTERATION WORK

808 HUGHES PLACE
MADISON, WI 53713

ISSUE:
11/30/2023 BID DOCUMENTS

PROJECT INFORMATION:
PROJECT NUMBER: 20225013.00
DATE: 11/30/2023
DRAWN BY: MWS
CHECKED BY: KJY
APPROVED BY: KJY
AS NOTED

SHEET TITLE:
DETAILS

SHEET NUMBER:
C601

