

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS


#### PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

OCTOBER 21, 2014

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

 7/27/15  
City Engineer Date

STREET  
DESIGNED BY:



STORM SEWER  
DESIGNED BY:



#### INDEX OF SHEETS

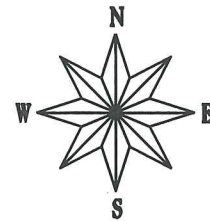
SHEET NO.	TITLE
1	STANDARD NOTES
D1	DETAILS
D2	STREET PLAN OVERVIEW
P1	COMMERCE DR LOADING ZONE PLAN
P2	WATTS RD MEDIAN TURN LANE STREET AND STORM SEWER PLAN
P3	ELECTRICAL PLAN
E1	PAVEMENT MARKING PLAN

Rev. 2015 07-28  
By JPS

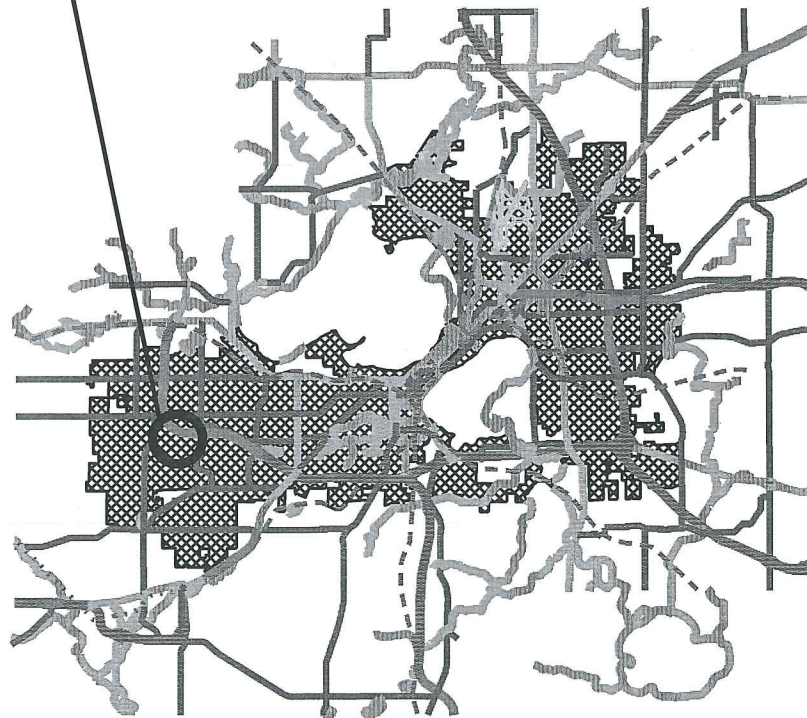
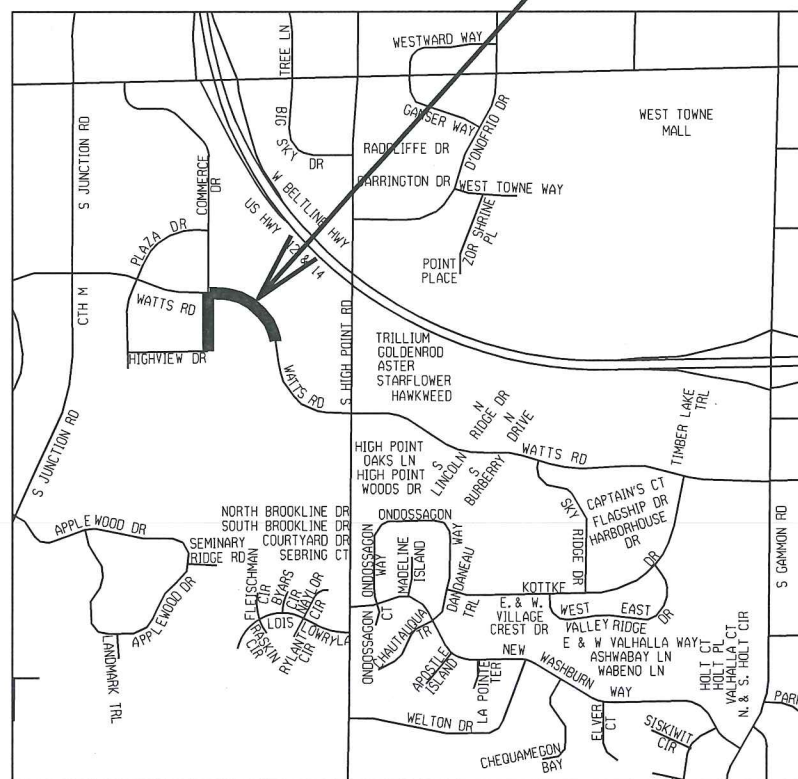
## 501-517 COMMERCE DRIVE - ALL SAINTS

CITY PROJECT NO. 10231

CONTRACT NO. 2393



### PROJECT LOCATION

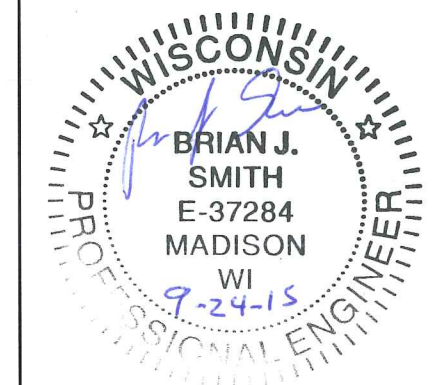


Rev. 2015 2015 07-28  
By JPS

PAVEMENT MARKINGS  
DESIGNED BY:



ELECTRICAL  
DESIGNED BY:



THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

THE DEVELOPER/CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO CITY OF MADISON TRAFFIC ENGINEERING DIVISION A MINIMUM OF 10 WORKING DAYS PRIOR TO THE ANTICIPATED START OF WORK ON ELDERBERRY ROAD. WORK MAY NOT PROCEED ON ELDERBERRY ROAD UNTIL THERE IS AN APPROVED TRAFFIC CONTROL PLAN OBTAINED FROM CITY TRAFFIC ENGINEERING. CONTACT TOM MOHR VIA EMAIL AT TMOHR@CITYOFMADISON.COM

ALL PAVEMENT WITHIN THE WATTS ROAD RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT WITHIN THE COMMERCE DRIVE RIGHTS-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED, PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.03. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4.00:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENT FROM THE CITY ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

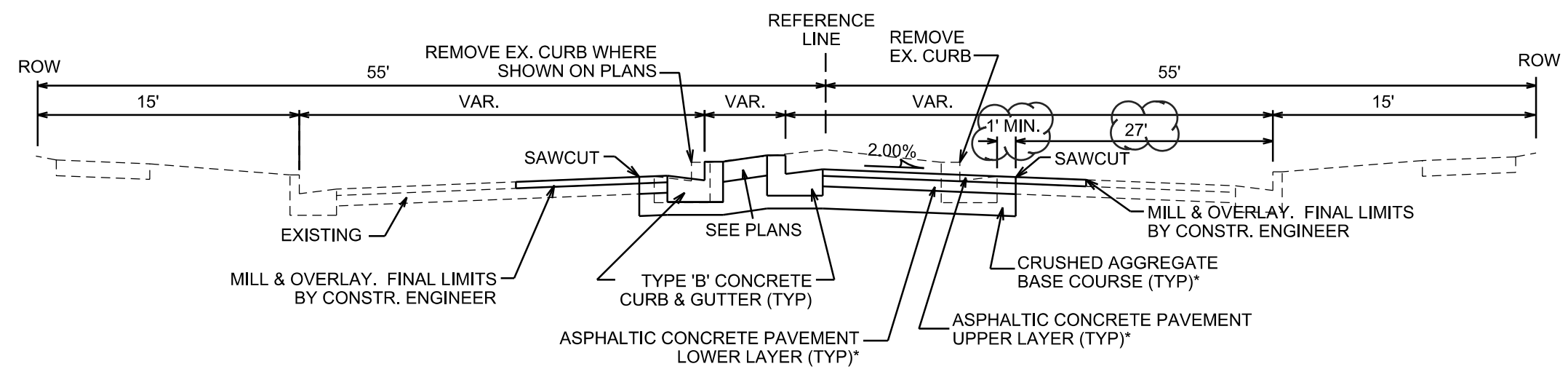
PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

PLOT SCALE: \_\_\_\_\_

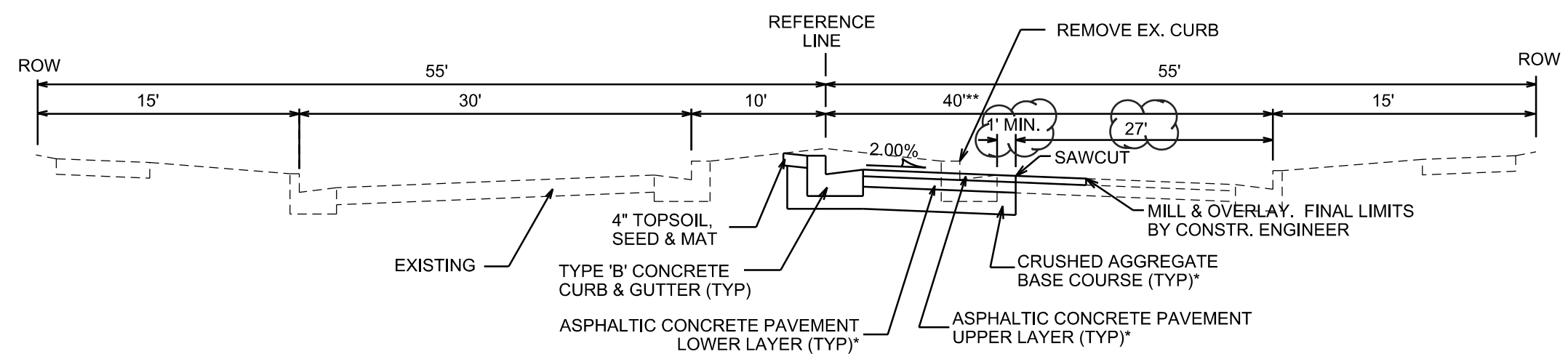
PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

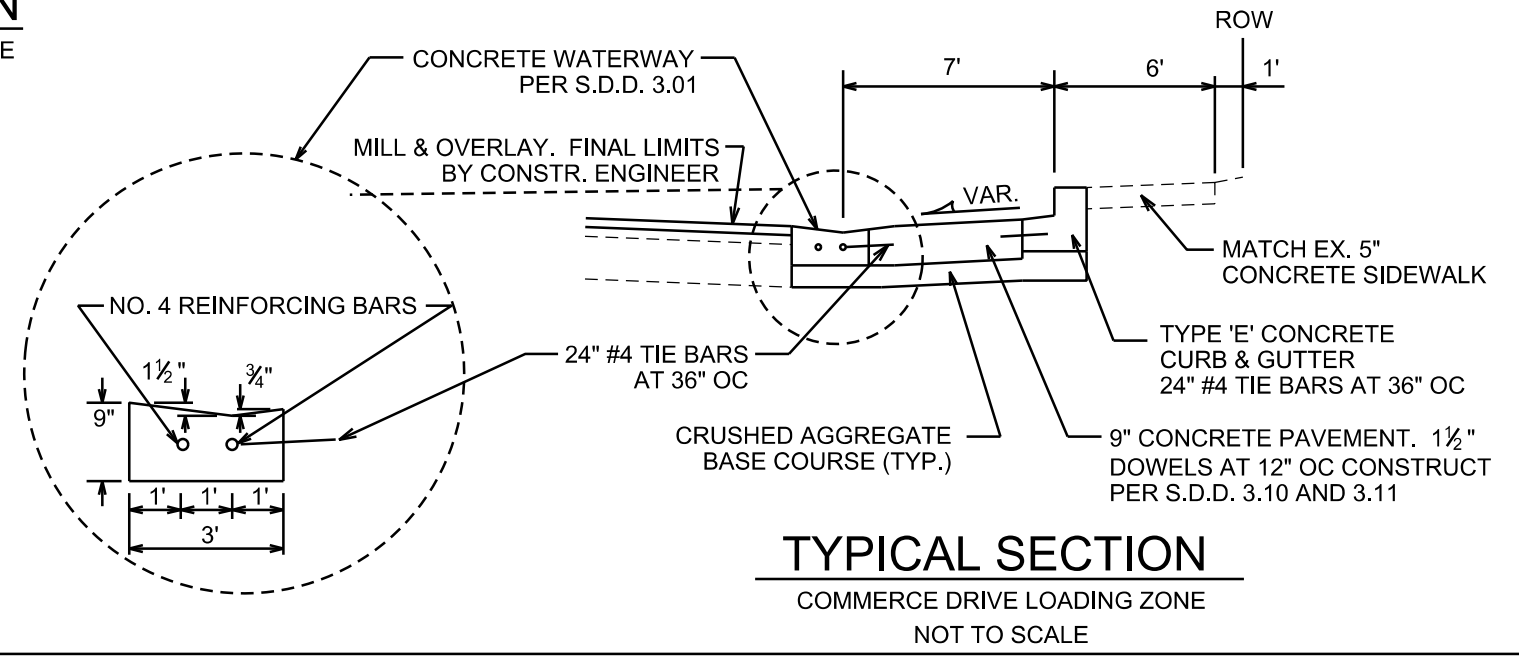
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
WATTS ROAD MEDIAN TURN LANE  
STA 28+69 TO STA 28+94  
NOT TO SCALE



**TYPICAL SECTION**  
WATTS ROAD MEDIAN TURN LANE  
STA 28+94 TO STA 31+08  
NOT TO SCALE



**TYPICAL SECTION**  
COMMERCE DRIVE LOADING ZONE  
NOT TO SCALE

NOTES:

\* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS  
TYPE 'C' PAVEMENT SHALL BE USED ON WATTS RD

\*\* VARIES FROM STA 29+91 TO STA 31+08 FROM 40' TO 30'.  
SEE SHEET P-3

CITY OF MADISON MINIMUM PAVEMENT DESIGN

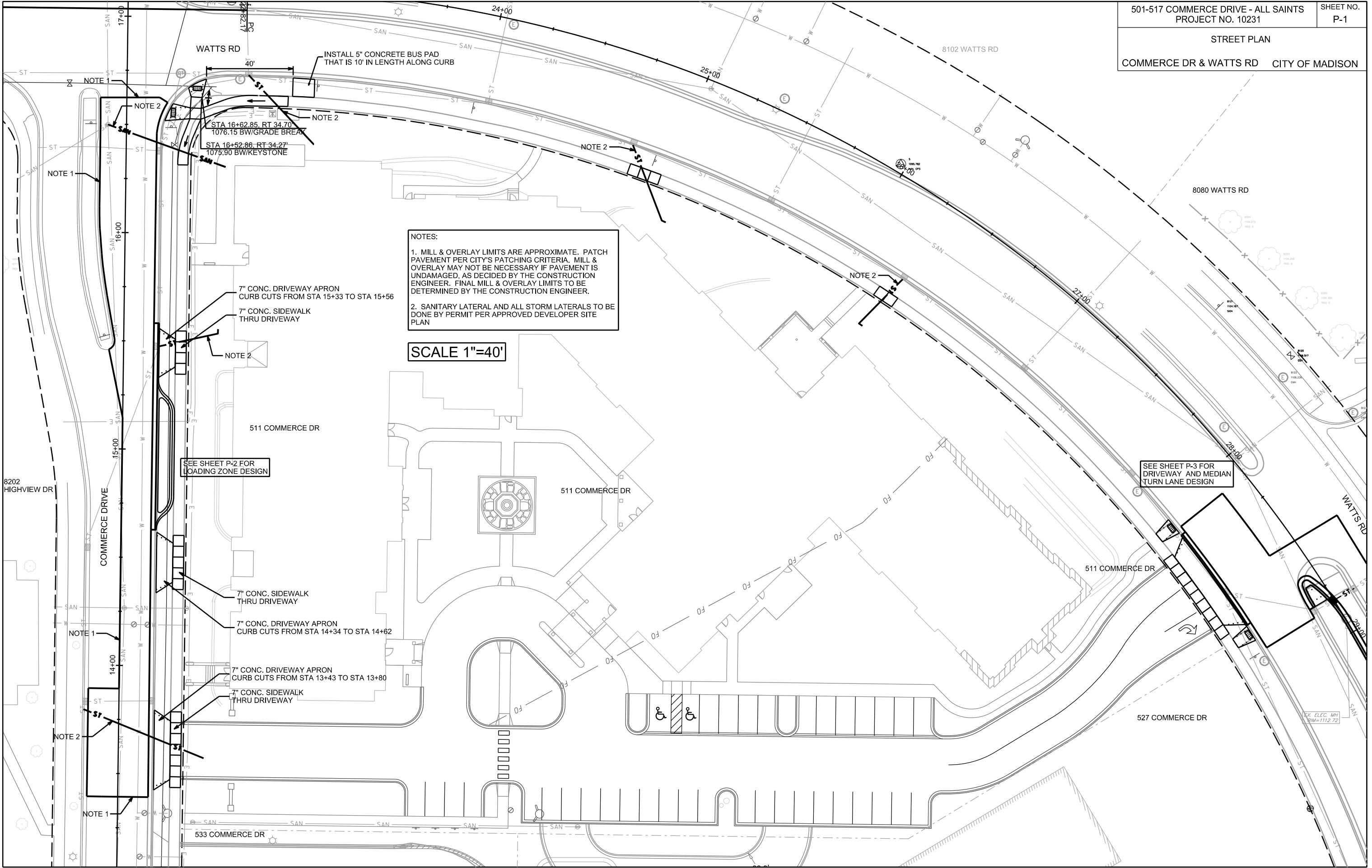
TYPE	CRUSHED AGG. BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER TYPE	LOWER LAYER THICKNESS	UPPER LAYER TYPE	UPPER LAYER THICKNESS
A	6"	4"	E-0.3	1.75"	E-0.3	1.75"
B	6"	4"	E-1	2.25"	E-1	2.00"
C	6"	4"	E-3	3.25"	E-3	2.00"

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**NOTES:**

- MILL & OVERLAY LIMITS ARE APPROXIMATE. PATCH PAVEMENT PER CITY'S PATCHING CRITERIA. MILL & OVERLAY MAY NOT BE NECESSARY IF PAVEMENT IS UNDAMAGED, AS DECIDED BY THE CONSTRUCTION ENGINEER. FINAL MILL & OVERLAY LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.
- SANITARY LATERAL AND ALL STORM LATERALS TO BE DONE BY PERMIT PER APPROVED DEVELOPER SITE PLAN

**SCALE 1"=40'**

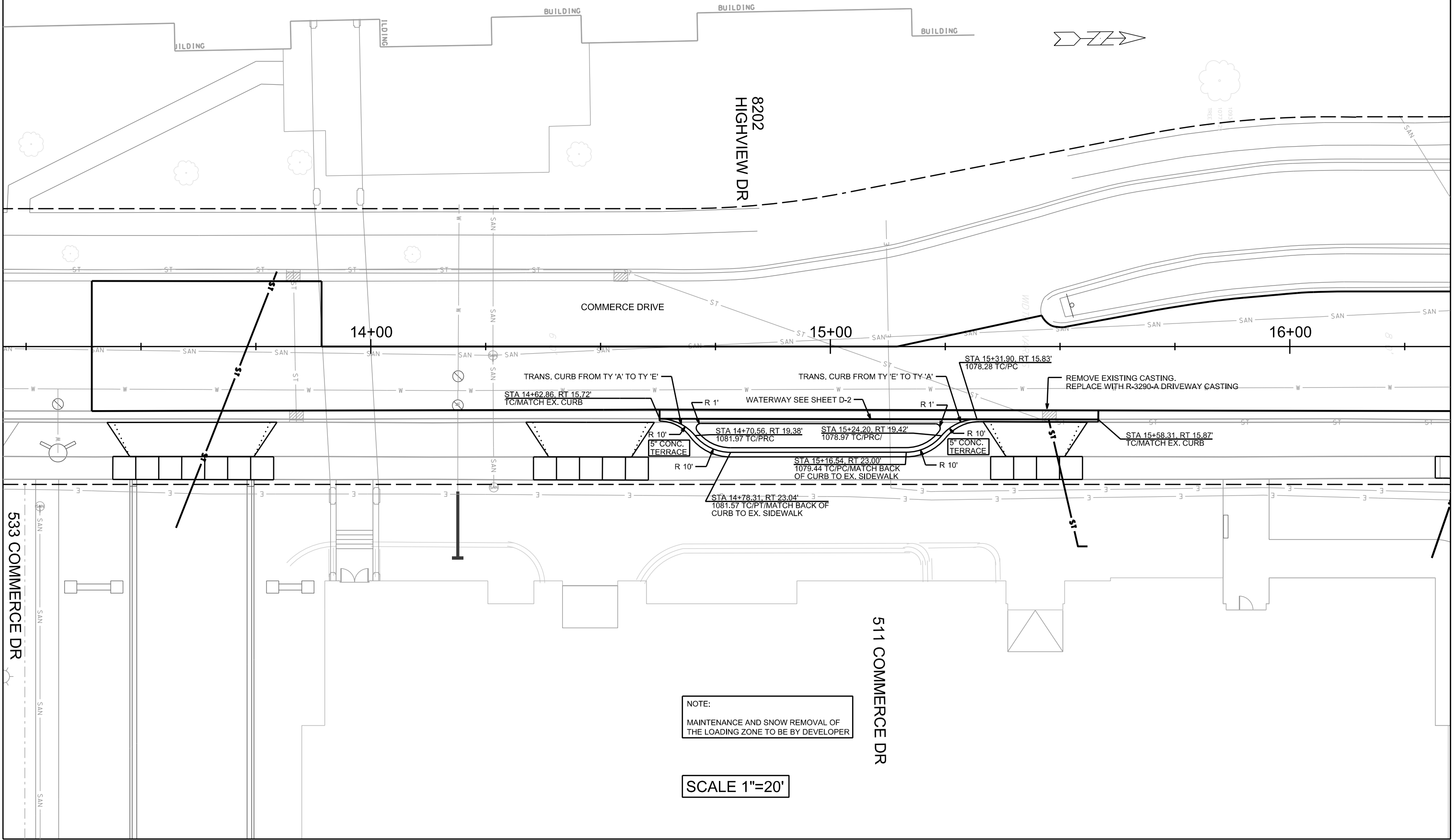
SEE SHEET P-2 FOR LOADING ZONE DESIGN

SEE SHEET P-3 FOR DRIVEWAY AND MEDIAN TURN LANE DESIGN

STA 16+62.85 RT 34.70  
1076.15 BW/GRADE BREAK

STA 16+52.86 RT 34.27  
1075.90 BW/KEYSTONE

PLOT SCALE: \_\_\_\_\_  
PLOT NAME: \_\_\_\_\_  
REV. DATE: \_\_\_\_\_  
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



NOTE:  
MAINTENANCE AND SNOW REMOVAL OF  
THE LOADING ZONE TO BE BY DEVELOPER

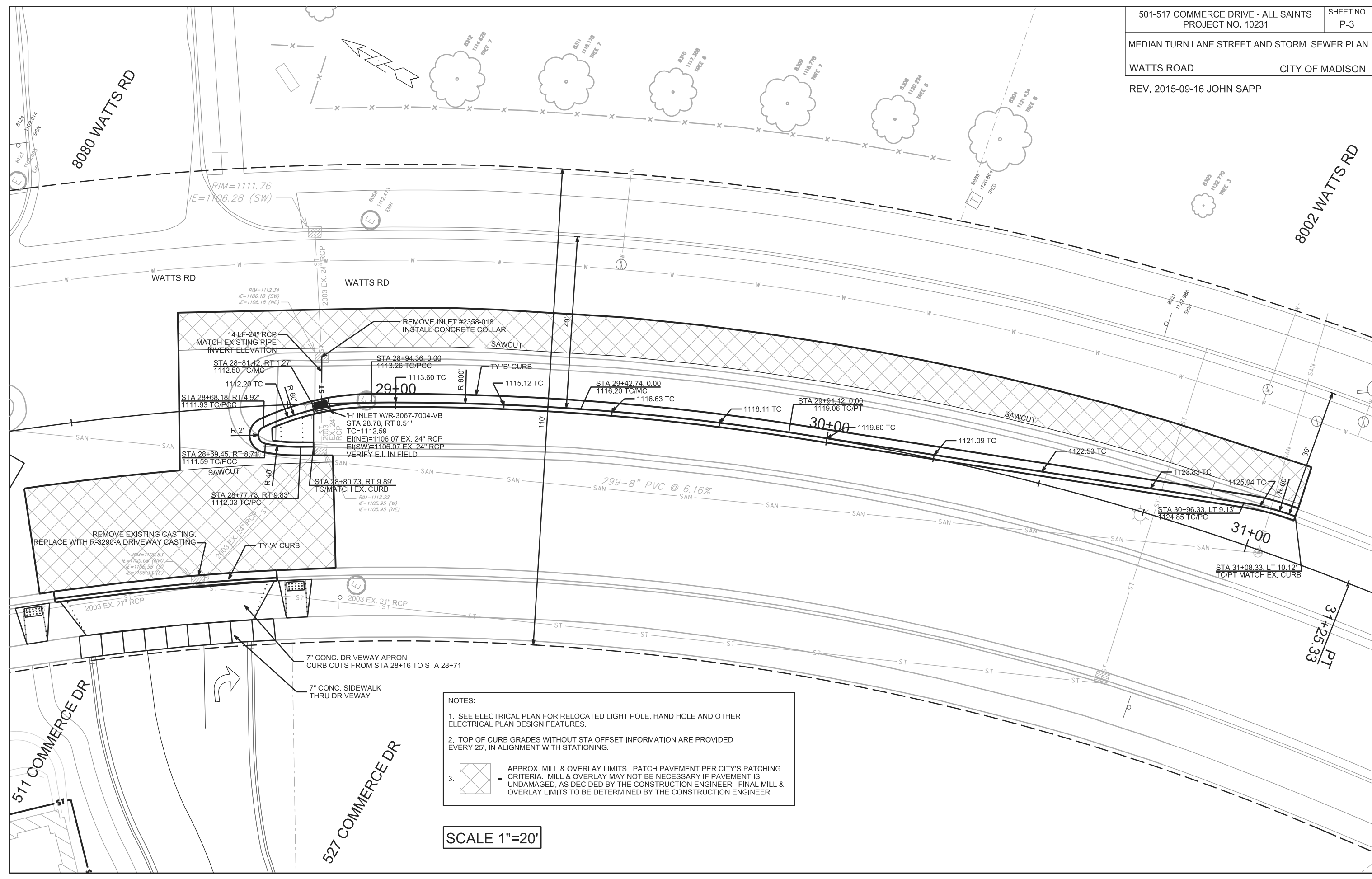
SCALE 1"=20'


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



- NOTES:
1. SEE ELECTRICAL PLAN FOR RELOCATED LIGHT POLE, HAND HOLE AND OTHER ELECTRICAL PLAN DESIGN FEATURES.
  2. TOP OF CURB GRADES WITHOUT STA OFFSET INFORMATION ARE PROVIDED EVERY 25', IN ALIGNMENT WITH STATIONING.
  3.  APPROX. MILL & OVERLAY LIMITS. PATCH PAVEMENT PER CITY'S PATCHING CRITERIA. MILL & OVERLAY MAY NOT BE NECESSARY IF PAVEMENT IS UNDAMAGED, AS DECIDED BY THE CONSTRUCTION ENGINEER. FINAL MILL & OVERLAY LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER.

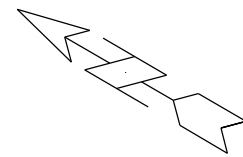
SCALE 1"=20'

PLOT SCALE: \_\_\_\_\_  
 PLOT NAME: \_\_\_\_\_  
 REV. DATE: \_\_\_\_\_

GENERAL ELECTRICAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BRIAN SMITH (261-9625) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2015 EDITION AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL MIKE CHRISTOPH (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
4. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC TRAFFIC OPERATION SHOP, 1120 SAYLE STREET. NOTIFY DENNIS ROWE AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL.

1" X 40" ANCHOR BOLTS: 1 SET OF 4



8080 WATTS RD  
DRIVEWAY

EXISTING EMPTY  
FUTURE USE ELECTRICAL  
CONDUITS-TYPICAL

EXISTING ELECTRICAL  
HANDHOLE-TYPICAL

COORDINATE RELOCATION  
OF EXISTING ELECTRICAL  
HANDHOLE WITH CITY  
TRAFFIC ENGINEERING CREWS

REMOVE STREET LIGHT BASE

EXISTING FIBER OPTIC  
COMMUNICATION CONDUIT  
-TYPICAL

EXTEND 2" PVC STREET LIGHT  
CONDUIT TO NEW LB-3 BASE

CONSTRUCT LB-3 BASE

INSTALL 2" PVC FROM LB-3 BASE  
TO RELOCATED ELECTRICAL HANDHOLE

WATTS ROAD

EXISTING STREET  
LIGHTING CONDUIT  
-TYPICAL

PLOT SCALE:

PLOT NAME:

REV. DATE:



PLOT SCALE:  
 PLOT NAME:  
 REV. DATE:  
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

