



City of Fitchburg
Planning/Zoning Department
5520 Lacy Road
Fitchburg, WI 53711
(608-270-4200)

ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: 3101 SFH, LLC/Michael Thorson

Address: 2820 Walton Commons West, Suite 125

Phone Number of Contact Person: _____

City, State, Zip Code: Madison, WI 53718

Email of Contact Person: michael.thorson@inventure-capital.com

Project Address: 3101 Fish Hatchery Road

Lot: NA

Subdivision: NA

Project Type: ☒ Multi-Family

☒ Commercial

☐ Industrial

☐ Other

☐ New

☐ Addition

Impervious Surface Ratio (ISR): 31.23% (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

Site Data:

- ☒ 1. Lot or property dimensions.
- ☒ 2. Orientation (to north).
- ☒ 3. Adjacent highways, roads, drive, etc.
- ☒ 4. Existing natural features (rivers, ponds, wetlands).
- ☒ 5. Existing buildings and/or improvements.
- ☒ 6. Existing and proposed site drainage.
- ☒ 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- ☒ 8. ISR shall be indicated on all plans.
- ☒ 9. Stormwater management plans and details, including grading plan.
- ☒ 10. Lighting plan in footcandles and light fixture cut sheets.

Building:

- ☒ 1. Building size, configuration and orientation.
- ☒ 2. Distance from lot lines.
- ☒ 3. Distance from other buildings, improvements and natural features.
- ☒ 4. Location of well, septic tank, drainfield, etc. (if applicable)
- ☒ 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- ☒ 6. Construction type (wood frame, structural steel, etc.).
- ☒ 7. Foundation type (full basement, slab on grade, etc.).
- ☒ 8. Number of levels.
- ☒ 9. Siding/exterior covering type, color, texture, etc.
- ☒ 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- ☒ 11. Roofing material type, color, texture, etc.
- ☒ 12. Exterior door and window location, size, type, etc.
- ☐ 13. Fire protection sprinklers or fire alarm systems.

Ingress, Egress, Parking:

- ☒ 1. Location of highway and road access points.
- ☒ 2. Location, size, configuration of drives and walks.
- ☒ 3. Number, size, location of parking spaces.
- ☒ 4. Location of handicapped parking and accessible building entrances.
- ☒ 5. Bicycle rack(s).

ARCHITECTURAL AND DESIGN REVIEW APPLICATION

Page 2

Landscaping:

☒
☒
☒
☒

1. Location, species, size of existing trees, shrubs, and plantings.
2. Location, species, size of proposed plantings.
3. Location and size of all paved, seeded/sodded and gravelled areas.
4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed:

Andrew Chetwood / JLA Arch.
Applicant or Authorized Agent

Date:

1/29/2020

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received:

1/29/20

Plan Commission Date:

2/18/20

Comments:



JLA
ARCHITECTS

JLA ARCHITECTS + PLANNERS

800 West Broadway - Suite 200

Monona, Wisconsin 53713

www.jla-ap.com

January 21, 2020

Sonja Kruesel
City of Fitchburg – Depart of Planning & Zoning
5520 Lacy Road
Fitchburg, WI 53711

re: 3101 Fish Hatchery Road PDD-SIP Submittal

Dear Sonja,

Enclosed you will find our submittal for the PDD-SIP and Architectural Design review of our proposed development at the February 18, 2020 planning commission meeting. This project proposes a mixed use development at the 3101 Fish Hatchery Road property that is currently occupied by a shuttered manufacturing plant.

The mixed use building will include areas for retail and office space, 157 residential units, and enclosed parking and bicycle storage for the tenants. The apartments will be a mix of studios, 1 bedroom, 2 bedroom, and 3 bedroom units. The building will provide the tenants with an array of amenities that include a fitness room, on site leasing office, club room, and an exterior raised, landscaped green roof containing areas for grilling and outdoor tenant activities.

The project intends to enhance the Fish Hatchery Road corridor and help lend it more of an urban feel in line with the long range plans of the City of Fitchburg.

Please look at the submittal and let me know if you need additional information or if you have any questions.

Andrew Chitwood
Project Manager
JLA Architects & Planners



First American

Exhibit A

ISSUED BY

First American Title Insurance Company

File No: NCS-978470-MAD

File No.: NCS-978470-MAD

Parcel 1:

Part of Lots 12 and 13, Plat of Maple Lawn Heights and part of the West 1/2 of the Northwest 1/4 of the Southeast 1/4 and part of the Northeast 1/4 of the Southwest 1/4, all in Section 3, Township 6 North, Range 9 East, formerly in the Town of Fitchburg, now in the City of Fitchburg, Dane County, Wisconsin, more particularly described as follows: Commencing at the East 1/4 corner of said Section 3; thence South 86 degrees 22 minutes 57 seconds West, 2,732.50 feet to the City of Madison monument representing the center of said Section 3; thence South 85 degrees 42 minutes 1 second West, 37.36 feet to the centerline of Fish Hatchery Road and the point of beginning of this description; thence North 34 degrees 2 minutes 0 seconds East along said centerline 438.08 feet; thence South 55 degrees 58 minutes 0 seconds East, 282.52 feet; thence South 408.47 feet; thence West 450.06 feet to the North-South 1/4 line of said Section, said point being 206.5 feet South 2 degrees 13 minutes 17 seconds West from the center of said Section; thence North 69 degrees 54 minutes 22 seconds West, 142.35 feet to the centerline of Fish Hatchery Road; thence North 34 degrees 2 minutes 0 seconds East along said centerline 186.60 feet to the point of beginning of this description.

Parcel 2:

Easement for the benefit of Parcel 1 as created by Sanitary and Storm Sewer Easement granted by Bowman Farms, Inc., by Vice President and Secretary to Golden Guernsey Dairy Cooperative, Juice Products Division, dated May 3, 1993, and recorded May 10, 1993, at Volume 22673 of Records, Page 10, Document No. 2464765, over the following described land; A 40 foot strip of land located in the Northwest 1/4 of the Southeast 1/4 of Section 3, Township 6 North, Range 9 East, City of Fitchburg, Dane County, Wisconsin, the centerline of which is described as follows: Commencing at the East 1/4 corner of said Section 3; thence South 86 degrees 22 minutes 57 seconds West, 2,732.50 feet; thence South 85 degrees 42 minutes 01 second West, 37.36 feet; thence North 34 degrees 02 minutes 00 seconds East, 438.08 feet thence South 55 degrees 58 minutes 00 seconds East, 282.52 feet; thence South 00 degrees 00 minutes 00 seconds West, 408.47 feet to the Southeast corner of the Golden Guernsey Cooperative Property; thence South 90 degrees 00 minutes 00 seconds West, 10.00 feet to the point of beginning of said centerline; thence South 00 degrees 00 minutes 00 seconds West, 204.00 feet to the point of termination of said easement.

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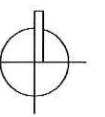
JLA
ARCHITECTS

3101 FISH HATCHERY ROAD – MIXED USE

SCHEMATIC MASTERPLAN

JANUARY 21, 2020

1"=60' @ 12x18
1"=30' @ 24x36



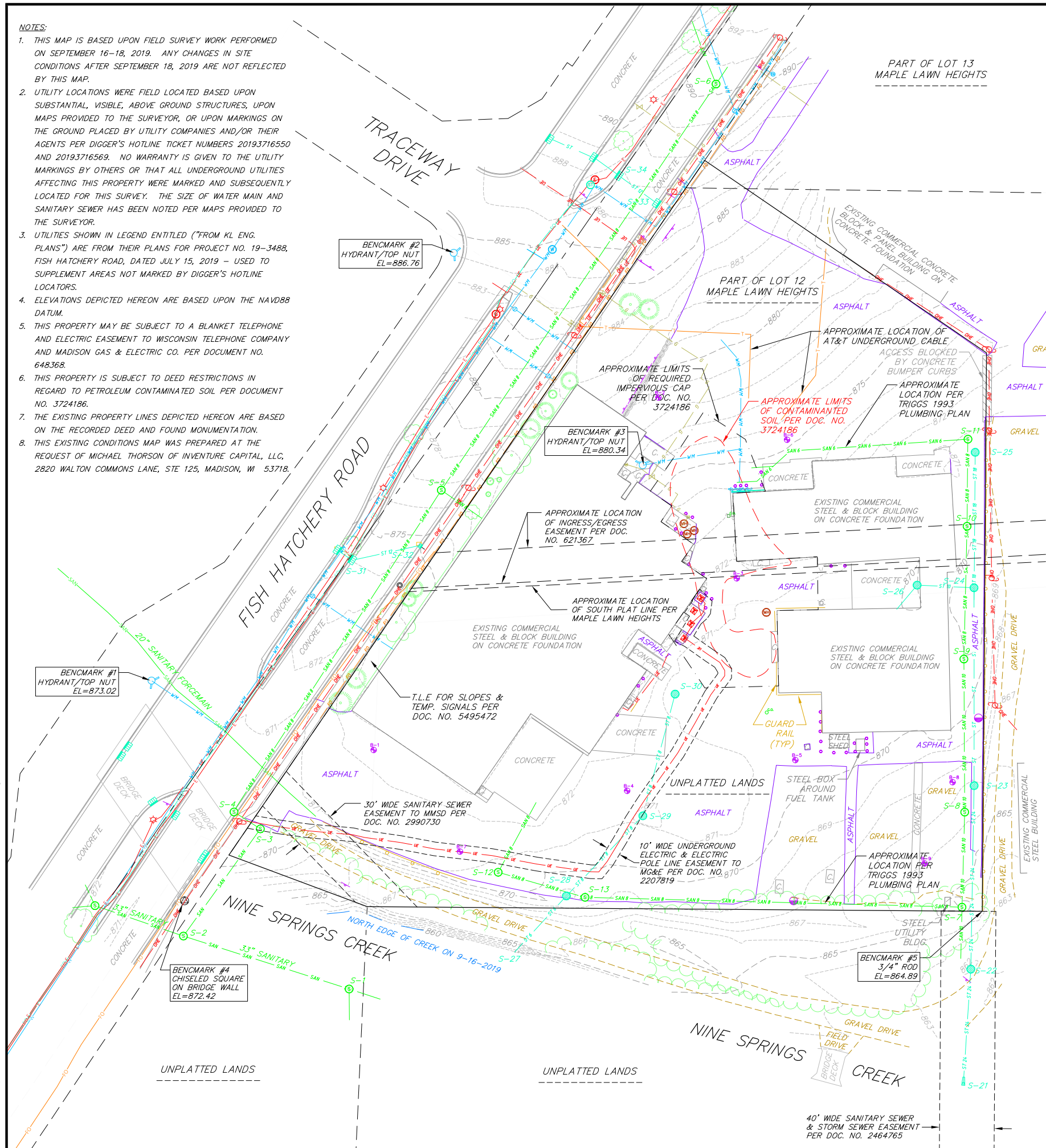
APPENDIX 'B'

SPECIFIC IMPLEMENTATION PLAN

GRADING & UTILITY PLANS

NOTES:

1. THIS MAP IS BASED UPON FIELD SURVEY WORK PERFORMED ON SEPTEMBER 16-18, 2019. ANY CHANGES IN SITE CONDITIONS AFTER SEPTEMBER 18, 2019 ARE NOT REFLECTED BY THIS MAP.
2. UTILITY LOCATIONS WERE FIELD LOCATED BASED UPON SUBSTANTIAL, VISIBLE, ABOVE GROUND STRUCTURES, UPON MAPS PROVIDED TO THE SURVEYOR, OR UPON MARKINGS ON THE GROUND PLACED BY UTILITY COMPANIES AND/OR THEIR AGENTS PER DIGGER'S HOTLINE TICKET NUMBERS 20193716550 AND 20193716569. NO WARRANTY IS GIVEN TO THE UTILITY MARKINGS BY OTHERS OR THAT ALL UNDERGROUND UTILITIES AFFECTING THIS PROPERTY WERE MARKED AND SUBSEQUENTLY LOCATED FOR THIS SURVEY. THE SIZE OF WATER MAIN AND SANITARY SEWER HAS BEEN NOTED PER MAPS PROVIDED TO THE SURVEYOR.
3. UTILITIES SHOWN IN LEGEND ENTITLED ("FROM KL ENG. PLANS") ARE FROM THEIR PLANS FOR PROJECT NO. 19-3488, FISH HATCHERY ROAD, DATED JULY 15, 2019 - USED TO SUPPLEMENT AREAS NOT MARKED BY DIGGER'S HOTLINE LOCATORS.
4. ELEVATIONS DEPICTED HEREON ARE BASED UPON THE NAVD88 DATUM.
5. THIS PROPERTY MAY BE SUBJECT TO A BLANKET TELEPHONE AND ELECTRIC EASEMENT TO WISCONSIN TELEPHONE COMPANY AND MADISON GAS & ELECTRIC CO. PER DOCUMENT NO. 648368.
6. THIS PROPERTY IS SUBJECT TO DEED RESTRICTIONS IN REGARD TO PETROLEUM CONTAMINATED SOIL PER DOCUMENT NO. 3724186.
7. THE EXISTING PROPERTY LINES DEPICTED HEREON ARE BASED ON THE RECORDED DEED AND FOUND MONUMENTATION.
8. THIS EXISTING CONDITIONS MAP WAS PREPARED AT THE REQUEST OF MICHAEL THORSON OF INVENTURE CAPITAL, LLC, 2820 WALTON COMMONS LANE, STE 125, MADISON, WI 53718.



EXISTING SANITARY STRUCTURE TABLE				
NAME	TYPE	RIM	INVERT	DIRECTION
S1	SMH	867.58	852.66	E
			855.58	S
			852.68	W
S2	SMH	868.80	856.00	N
			853.20	E
			853.40	W
S3	SMH	869.50	857.28	S
			857.40	W
			858.42	N
S4	SMH	870.15	858.42	N
			858.32	E
			864.38	N
S5	SMH	876.70	864.38	N
			865.25	E
			864.20	S
S6	SMH	890.26	881.51	N
			881.41	S
			881.88	NW
S7	SMH	866.13	860.83	LEDGE
			858.73	TROUGH
S8	SMH	866.65	860.30	N
			860.30	S
S9	SMH	870.05	861.40	N
			861.40	S
			862.78	W
S10	SMH	870.39	862.37	N
			862.40	S
			862.43	W
S11	SMH	870.79	862.89	S
			862.74	W
			861.36	N
S12	SMH	870.65	861.36	N
			861.15	E
			861.15	E
S13	SMH	869.38	859.98	E
			860.00	W

EXISTING STORM STRUCTURE TABLE				
NAME	TYPE	RIM	INVERT	DIRECTION
S21	ENDW		856.29	N
S22	FIN	861.73	857.43	N
			857.03	S
S23	FIN	866.54	860.26	N
			860.24	S
S24	FIN	868.94	863.29	N
			863.29	S
S25	FIN	870.08	864.59	S
			869.73	SW
S26	FIN	869.73	867.08	SW
			860.53	N
S27	PVC IE	868.68	864.83	N
			864.51	S
S28	FIN	870.64	865.69	N-S
			870.13	S
S29	FIN	870.13	866.83	S
			866.23	SW
S30	FIN	874.43	870.28	E
			870.28	W
S31	CIN	875.00	871.45	E
			871.10	SW
S32	CIN	886.82	883.72	W
			887.24	E
S33	CIN	887.24	853.19	E
			853.19	W

TOPOGRAPHIC SYMBOL LEGEND

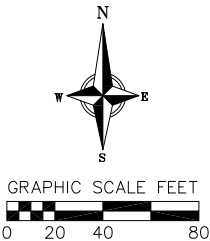
- EXISTING BOLLARD
- EXISTING MONITORING WELL
- EXISTING SIGN (TYPE NOTED)
- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING FIELD INLET
- EXISTING STORM MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING CURB STOP
- EXISTING WATER MANHOLE
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING TRANSFORMER
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING CONCRETE
- EXISTING BORING

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING RETAINING WALL
- EXISTING CHAIN LINK FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING EDGE OF TREES
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

TOPOGRAPHIC LINEWORK (FROM KL ENG. PLANS) LEGEND

- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING FIBER OPTIC LINE
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING SANITARY FORCE MAIN (SIZE NOTED)



vierbicher
planners | engineers | advisors

Phone: (800) 261-3898

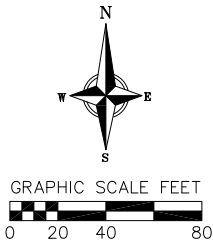
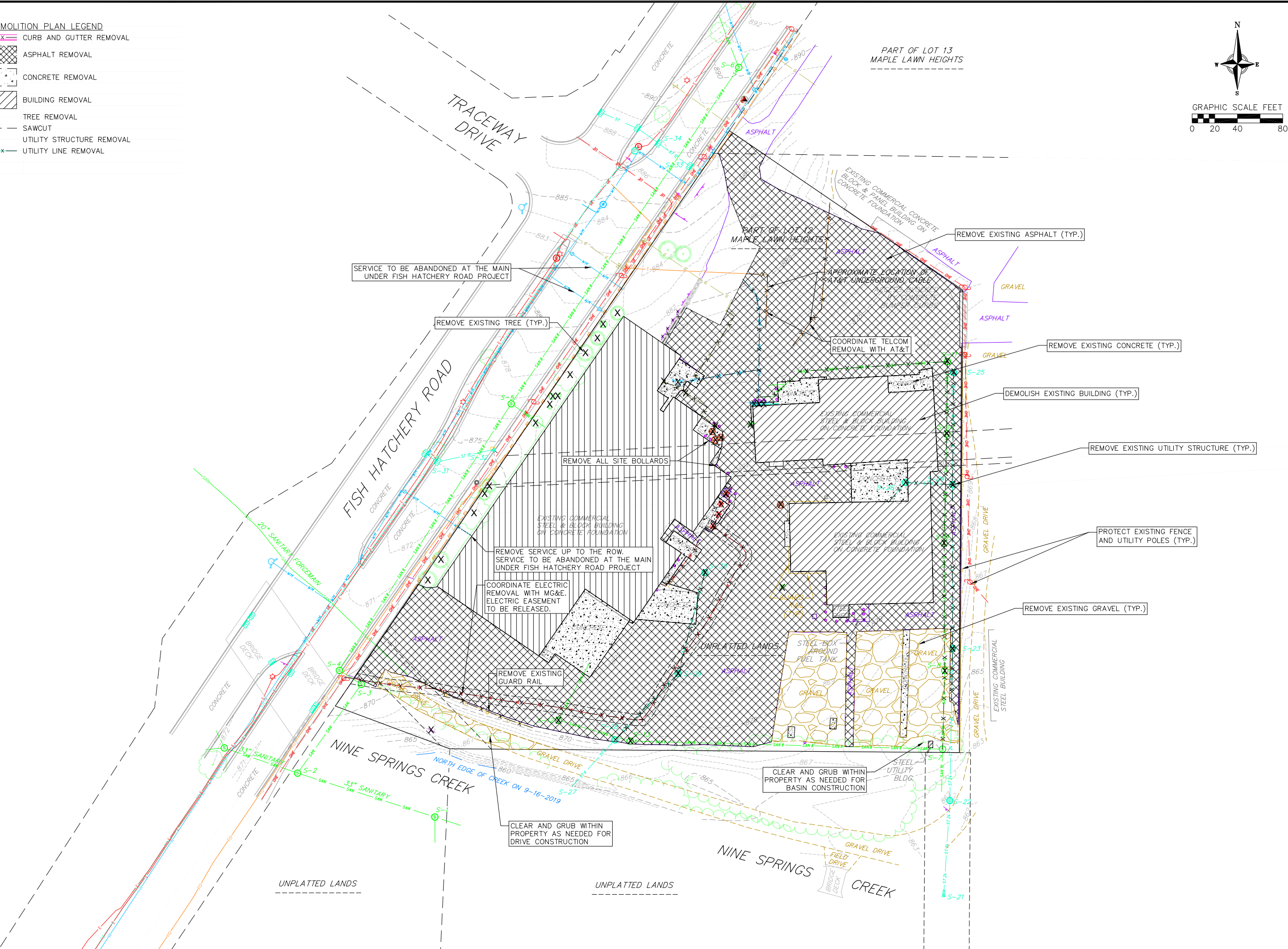
Existing Conditions Plan
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	NO.	DATE	REMARKS

SCALE AS SHOWN
DATE 01-21-2020
DRAFTER MKRI/CLAN
CHECKED MSCH
PROJECT NO. 190241

C
001

DEMOLITION PLAN LEGEND	
	CURB AND GUTTER REMOVAL
	ASPHALT REMOVAL
	CONCRETE REMOVAL
	BUILDING REMOVAL
	TREE REMOVAL
	SAWCUT
	UTILITY STRUCTURE REMOVAL
	UTILITY LINE REMOVAL



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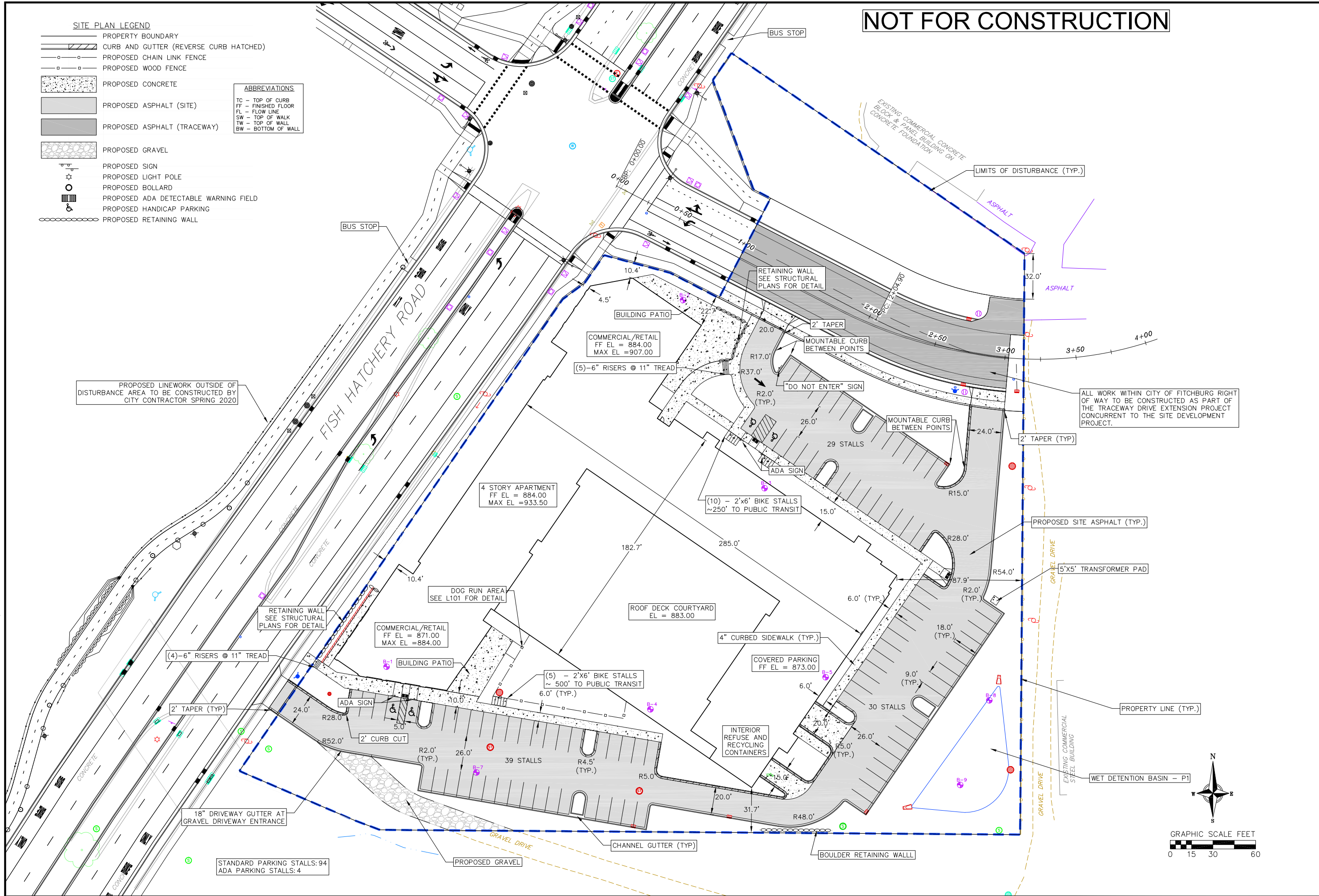
Demolition Plan

3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

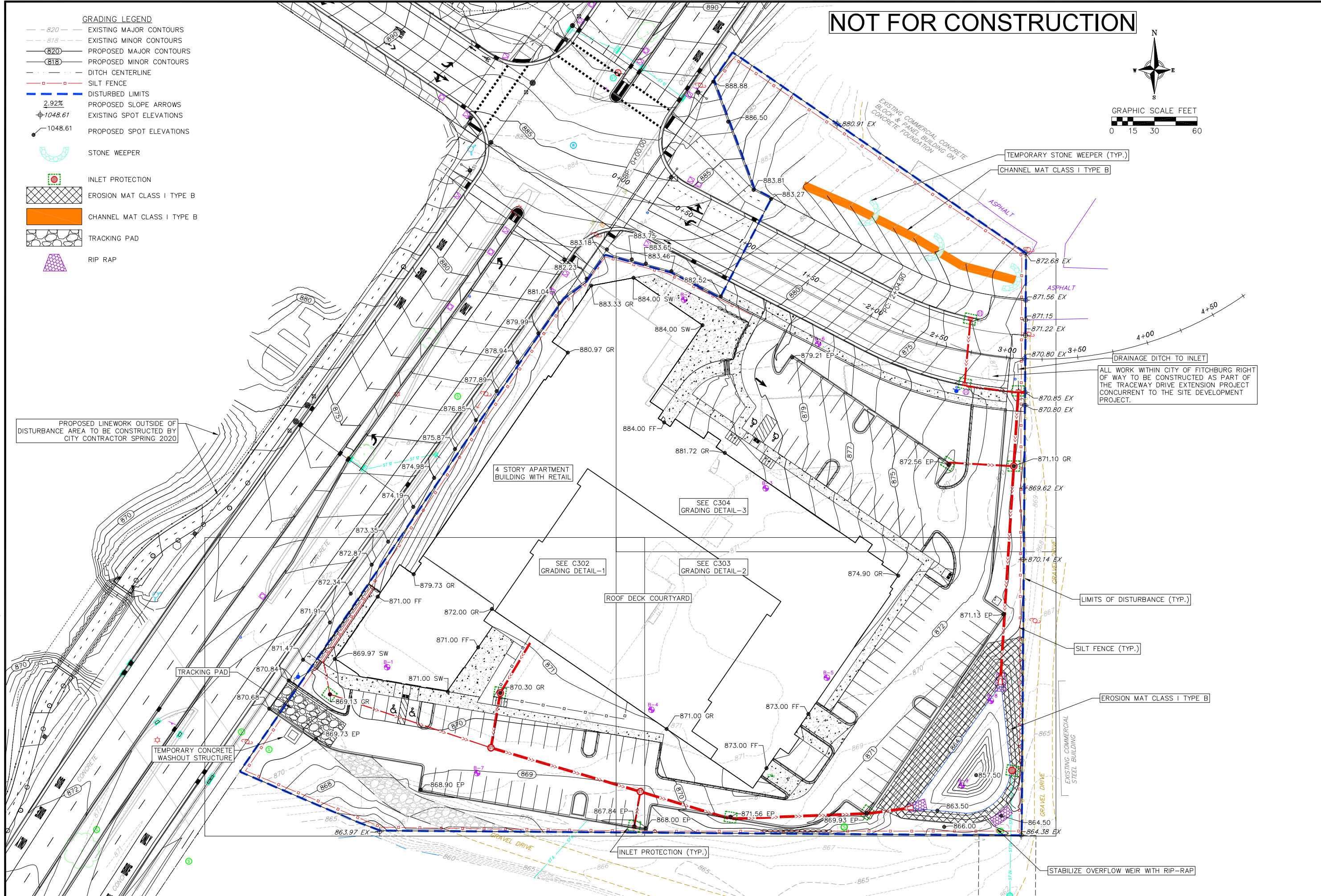
REVISIONS		REVISIONS	
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DATE 01-21-2020
DRAFTER SCHR/CLAN
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PROJECT NO. 190241

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NOT FOR CONSTRUCTION



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GRADING LEGEND

- 820 EXISTING MAJOR CONTOURS
- 818 EXISTING MINOR CONTOURS
- 820 PROPOSED MAJOR CONTOURS
- 818 PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- DISTURBED LIMITS
- 2.92% PROPOSED SLOPE ARROWS
- 1048.61 EXISTING SPOT ELEVATIONS
- 1048.61 PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- INLET PROTECTION
- EROSION MAT CLASS I TYPE B
- CHANNEL MAT CLASS I TYPE B
- TRACKING PAD
- RIP RAP

PROPOSED LINEWORK OUTSIDE OF
DISTURBANCE AREA TO BE CONSTRUCTED BY
CITY CONTRACTOR SPRING 2020

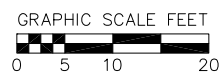
NOT FOR CONSTRUCTION



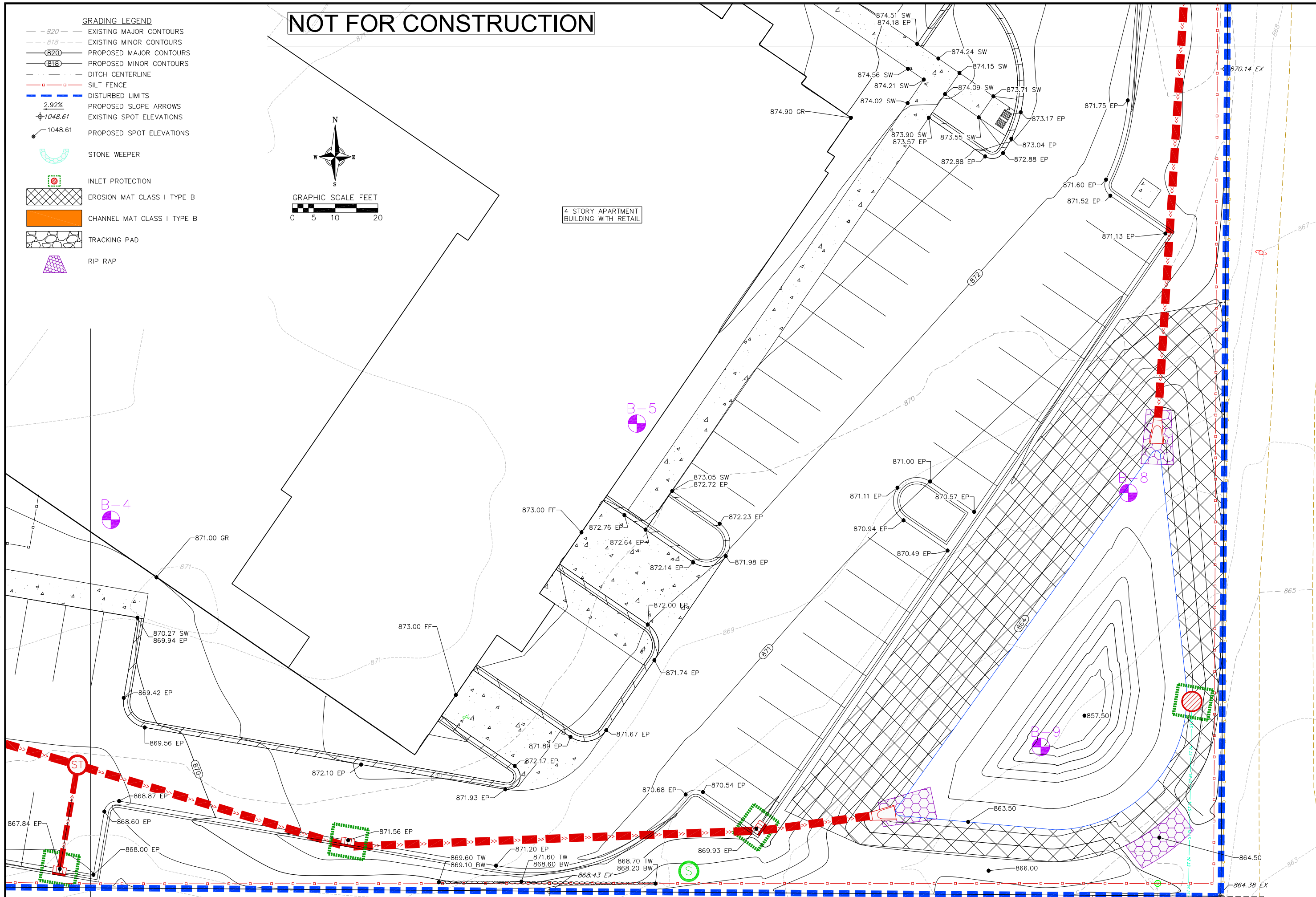
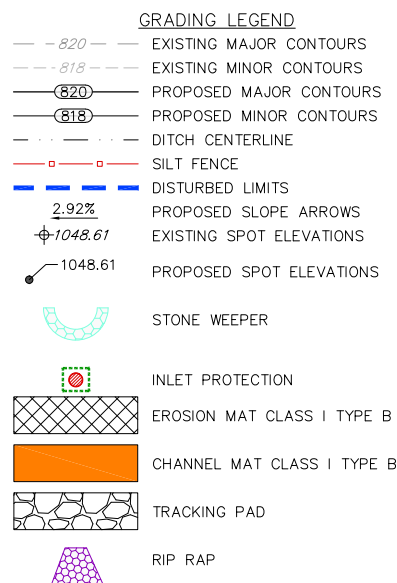
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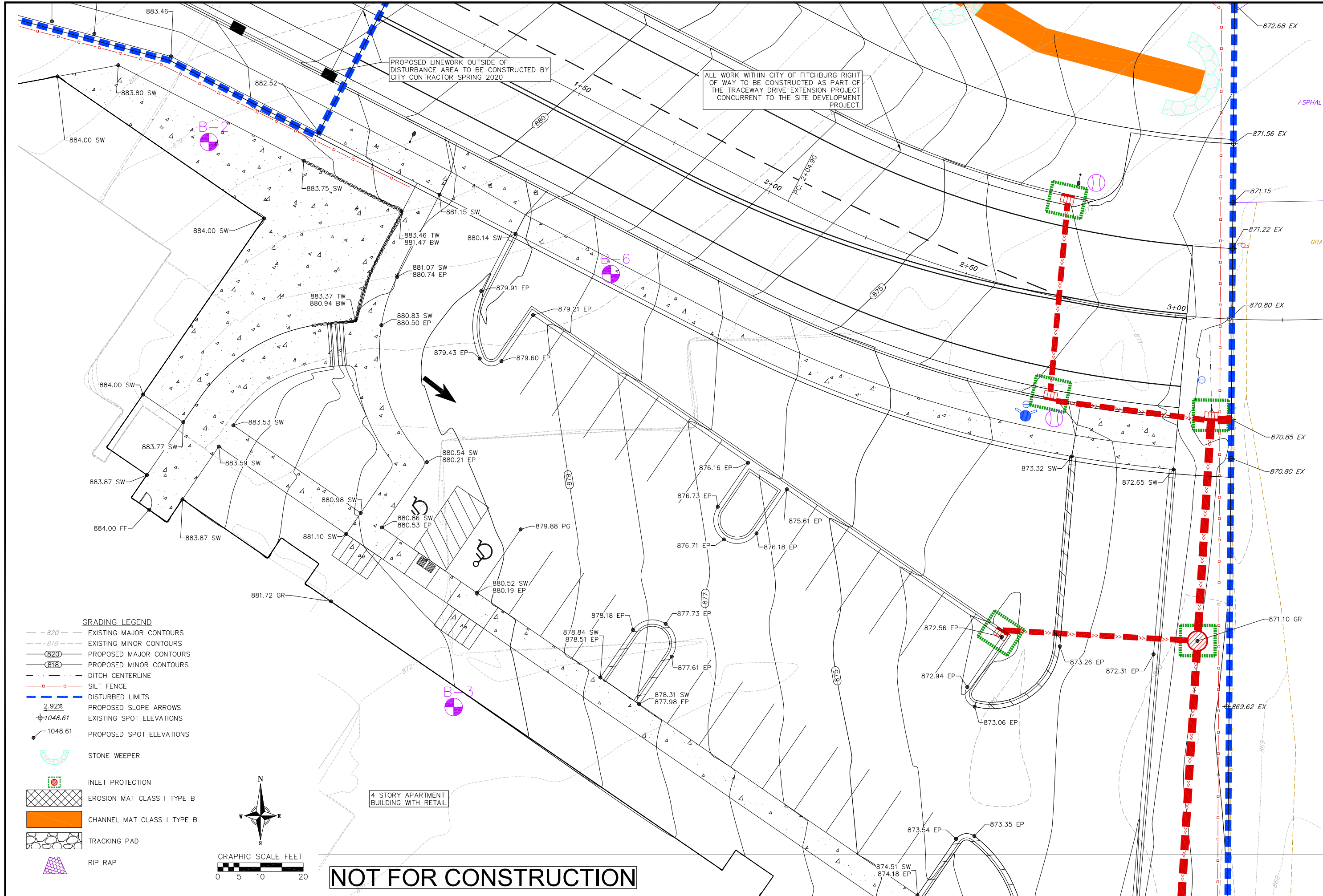
4 STORY APARTMENT
BUILDING WITH RETAIL

REVISIONS		REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE	NO.	DATE
SCALE AS SHOWN					
DATE 01-21-2020					
DRAFTER SCHR/CLAN					
CHECKED MSCH/TSCH					
PROJECT NO. 190241					
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4 STORY APARTMENT
BUILDING WITH RETAIL



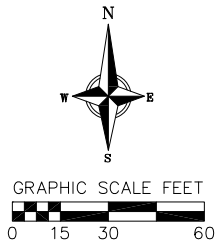


- PROPOSED UTILITY LEGEND**
- STORM SEWER PIPE
 - STORM SEWER MANHOLE
 - STORM SEWER ENDWALL
 - STORM SEWER CURB INLET
 - STORM SEWER CURB INLET W/MANHOLE
 - STORM SEWER FIELD INLET
 - ROOF DRAIN CLEANOUT
 - SANITARY SEWER PIPE (GRAVITY)
 - SANITARY SEWER LATERAL PIPE
 - SANITARY SEWER CLEANOUT
 - WATER MAIN
 - WATER SERVICE LATERAL PIPE
 - FIRE HYDRANT
 - WATER VALVE
 - PROPOSED PIPE INSULATION
 - GAS MAIN
 - ELECTRIC SERVICE

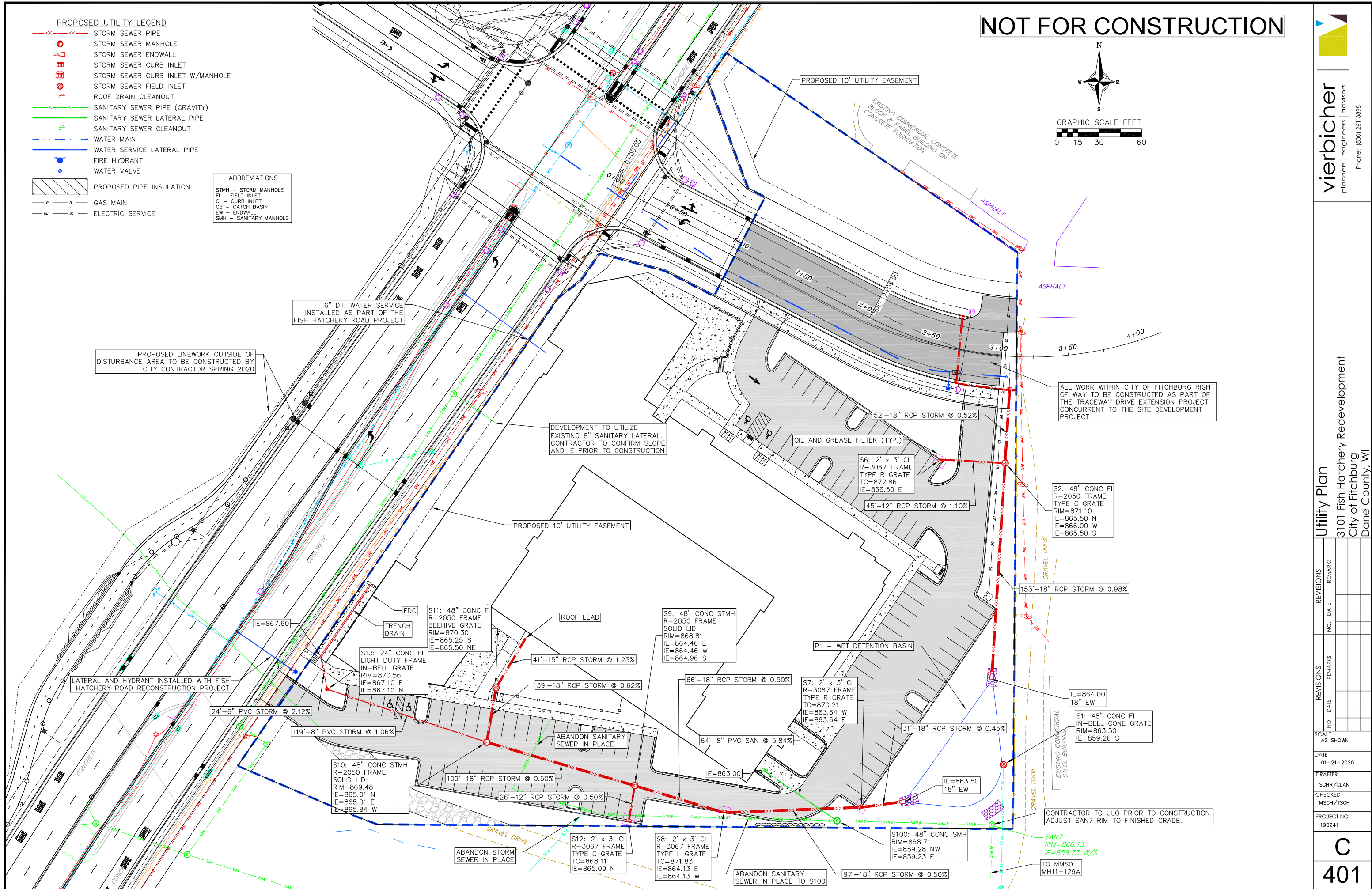
ABBREVIATIONS

STMH - STORM MANHOLE
FI - FIELD INLET
CI - CURB INLET
CB - CATCH BASIN
EW - ENDWALL
SMH - SANITARY MANHOLE

NOT FOR CONSTRUCTION



REVISIONS		NO.	DATE	REMARKS
REVISIONS				
SCALE		AS SHOWN		
DATE		01-21-2020		
DRAFTER		SCHR/CLAN		
CHECKED		MSCH/TSCH		
PROJECT NO.		190241		
C		401		



EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF FITCHBURG EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (http://dnr.wi.gov/runoff/stormwater/techstds.htm) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WISDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
7. CHANNELIZED RUNOFF: FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.
8. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7--CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25--FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN--WORKED FOR A PERIOD OF MORE THAN 14--CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
9. SITE DE--WATERING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE--WATERING).
10. WASHED STONE WEEPERS OR TEMPORARY EARTH BERMS SHALL BE BUILT PER PLAN BY CONTRACTOR TO TRAP SEDIMENT OR SLOW THE VELOCITY OF STORM WATER.
11. SEE GRADING AND EROSION CONTROL PLAN FOR RIP--RAP SIZING. IN NO CASE WILL RIP--RAP BE SMALLER THAN 3" TO 6".
12. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. THE FILTERS SHALL BE MAINTAINED UNTIL THE DISTURBED AREAS ARE BOTH 70% RESTORED AND PAVED.
13. USE DETENTION BASINS AS SEDIMENT BASINS DURING CONSTRUCTION (DO NOT USE INFILTRATION AREAS). AT THE END OF CONSTRUCTION, REMOVE SEDIMENT AND RESTORE PER PLAN.
14. RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN.
15. TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.
16. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
17. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
18. EROSION MAT (CLASS I, TYPE B PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER BUT LESS THAN 1:1.
19. SOIL STABILIZERS SHALL BE APPLIED TO DISTURBED AREAS WITH SLOPES BETWEEN 10% AND 3:1 (DO NOT USE IN CHANNELS). SOIL STABILIZERS SHALL BE TYPE B, PER WISCONSIN D.O.T. P.A.L. (PRODUCT ACCEPTABILITY LIST), OR EQUAL. APPLY AT RATES AND METHODS SPECIFIED PER MANUFACTURER. SOIL STABILIZERS SHALL BE RE--APPLIED WHENEVER VEHICLES OR OTHER EQUIPMENT TRACK ON THE AREA.
20. SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.
21. SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY. SEE DETAILS.
22. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
23. ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
24. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
25. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY AND STATE.
26. THE CITY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.
27. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF STREET SWEEPING (NOT FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.

SEEDING RATES:

TEMPORARY:
1. USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15.

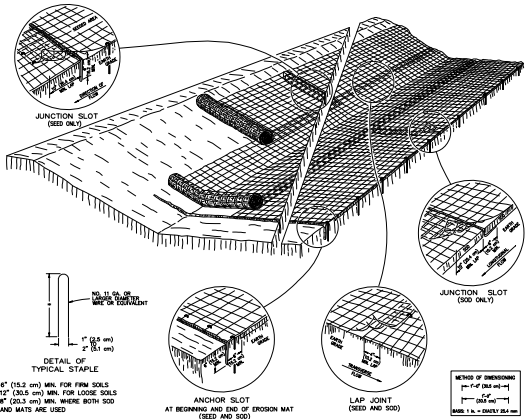
PERMANENT:
1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

FERTILIZING RATES:

TEMPORARY AND PERMANENT:
USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

MULCHING RATES:

TEMPORARY AND PERMANENT:
USE ½" TO 1--½" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFIRM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERTINENT IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V--SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT WILL BE MEASURED AND PAID FOR IN ACCORD-- ANCE WITH THE SPECIFICATIONS.

EROSION MAT OVER SOD

- a. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
- b. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.
- c. THE WIDTH OF THE EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
- d. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

EROSION MAT OVER SEEDING

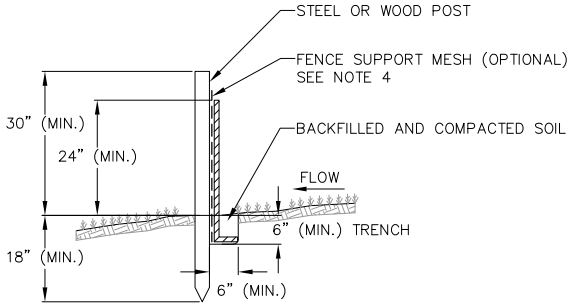
JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT

1 CHANNEL EROSION MAT NOT TO SCALE

CONSTRUCTION SEQUENCE:

1. INSTALL EROSION CONTROL MEASURES
2. CONDUCT DEMOLITION
3. STRIP TOPSOIL (UNWORKED AREAS MAY REMAIN NON--STABILIZED FOR A MAXIMUM OF 14 DAYS)
4. ROUGH GRADE SITE (1/27/20 -- 5/11/20)*
5. CONSTRUCT UNDERGROUND UTILITIES
6. INSTALL INLET PROTECTION IN NEW INLETS
7. CONSTRUCT BUILDING
8. TEMPORARILY RESTORE DISTURBED AREAS WITH BASE COURSE, MULCHING, TARPING, OR EROSION MATTING (BY 6/30/20)*
9. CONSTRUCT PAVEMENT
10. FINAL GRADE AND PERMANENTLY RESTORE DISTURBED AREAS (3/1/21 -- 7/15/21)*
11. INSTALL FLOGARD STORM INLET FILTERS PER PLAN
12. REMOVE EROSION CONTROL MEASURES AFTER DISTURBED AREAS ARE 70% RESTORED OR PAVED.

*DATES PER THE APPROVED EROSION CONTROL PERMIT. ANY REVISIONS TO THE DATES LISTED WILL REQUIRE APPROVAL BY THE CITY OF FITCHBURG AND PROOF THAT SOIL LOSS REQUIREMENTS ARE MET.



NOTES:

1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE ENDS.
3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)

POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
4. SILT FENCE SUPPORT MESH CONSISTS OF 14--GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN. X 6 IN. OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH

1 SILT FENCE NOT TO SCALE



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Construction Details - 1
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	REVISIONS		REVISIONS	
	NO.	DATE	REMARKS	NO.

SCALE
AS SHOWN

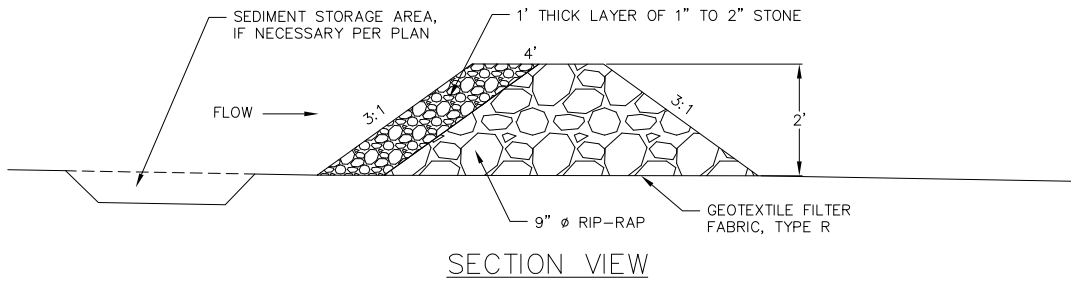
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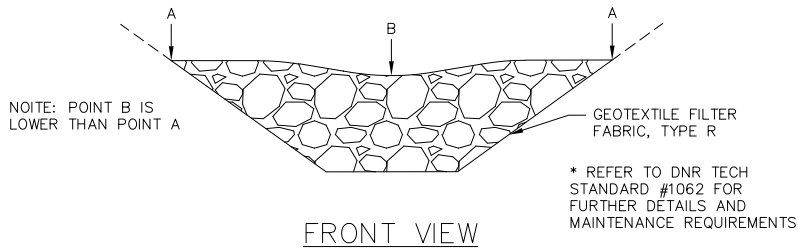
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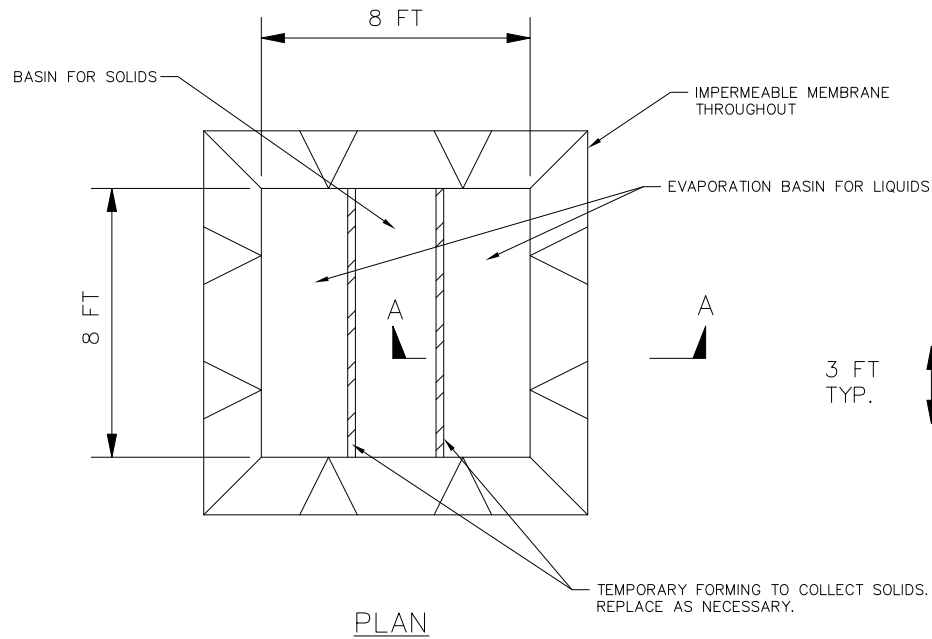


SECTION VIEW



FRONT VIEW

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WEEPER
NOT TO SCALE

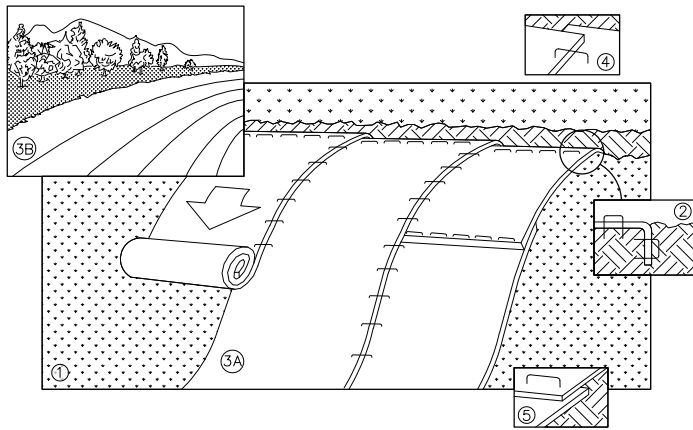


PLAN

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
3. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

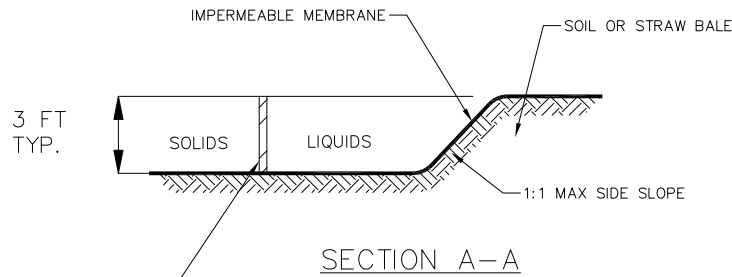
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TEMPORARY CONCRETE WASHOUT
NOT TO SCALE



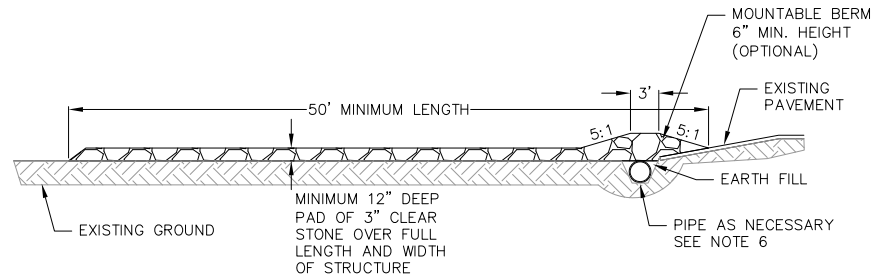
NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS <A> DOWN, OR HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

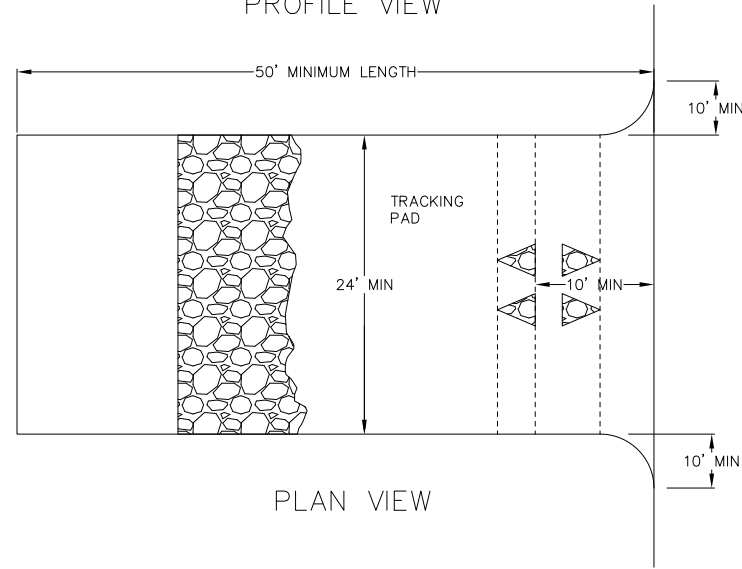
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EROSION MAT
NOT TO SCALE



SECTION A-A



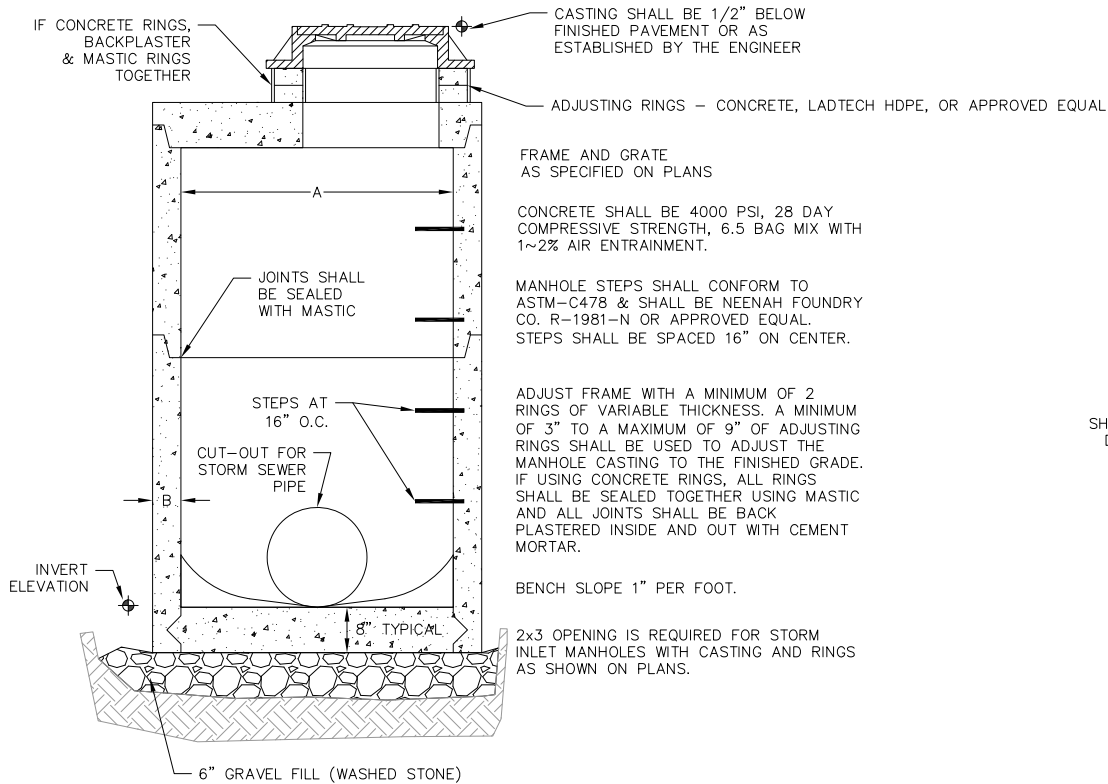
PROFILE VIEW



PLAN VIEW

1. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
2. LENGTH - MINIMUM OF 50'.
3. WIDTH - 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
4. ON SITES WITH A HIGH GROUNDWATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC SHALL BE PLACED OVER EXISTING GROUND PRIOR TO PLACING STONE. FABRIC SHALL BE WISDOT TYPE-HR GEOTEXTILE FABRIC.
5. STONE - CRUSHED 3" CLEAR STONE SHALL BE PLACED AT LEAST 12" DEEP OVER THE ENTIRE LENGTH AND WIDTH OF ENTRANCE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" STONE OVER THE PIPE. PIPE SHALL BE SIZED ACCORDING TO THE DRAINAGE REQUIREMENTS. WHEN THE ENTRANCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE SHALL NOT BE NECESSARY. THE MINIMUM PIPE DIAMETER SHALL BE 6". CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID PIPE.
7. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS AND/OR LEAVES THE CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE TRACKING PAD.

1
1
TRACKING PAD
NOT TO SCALE

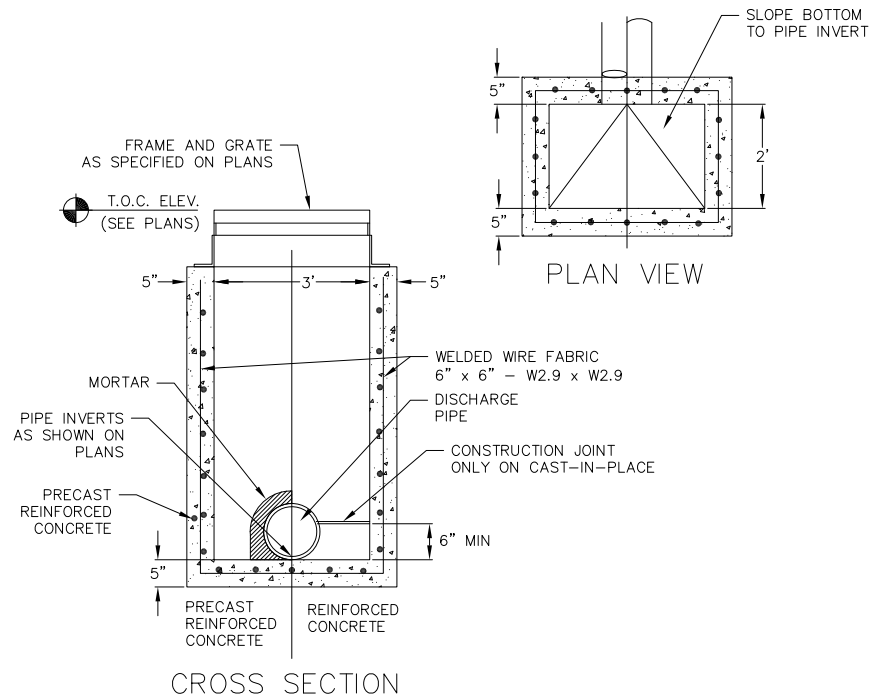


STORM MANHOLE DIMENSIONS

MANHOLE SIZE	DIMENSION	
	A	B (MIN.)
48"	48"	5"
60"	60"	6"
72"	72"	7"
84"	84"	7"
96"	96"	9"

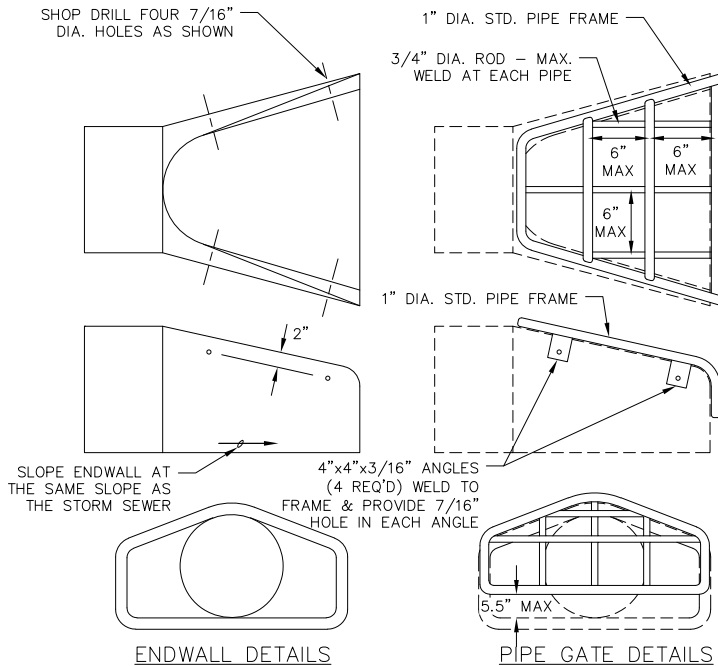
1 STORM SEWER MANHOLE

1 NOT TO SCALE



1 CURB INLET – TYPE 3, 2' x 3' BASIN

1 NOT TO SCALE



- NOTES:**
- THE CONTRACTOR SHALL BOLT THE PIPE GATE TO THE CONCRETE ENDWALL WITH 3/8"x6" MACHINE BOLTS WITH NUTS ON INSIDE WALL.
 - MANUFACTURER RECOMMENDED FRAME/ROD DIAMETER, BOLTS, AND ATTACHMENT MECHANISM MAY BE USED IF APPROVED BY ENGINEER.
 - GRATES SHALL MEET SPS382.36(9)(B)3E SO AS NOT TO PERMIT PASSAGE OF A 6" SPHERE.

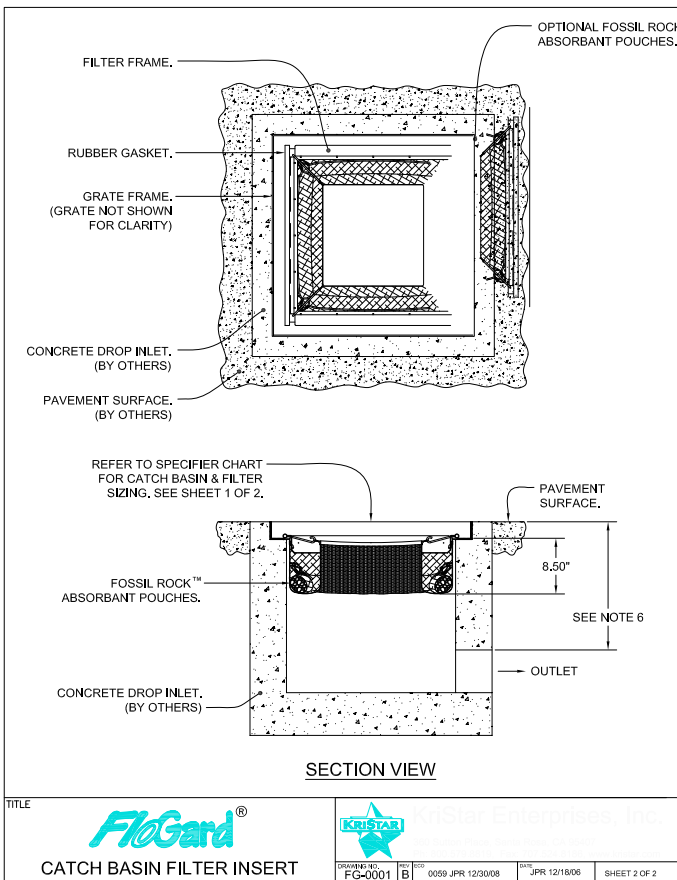
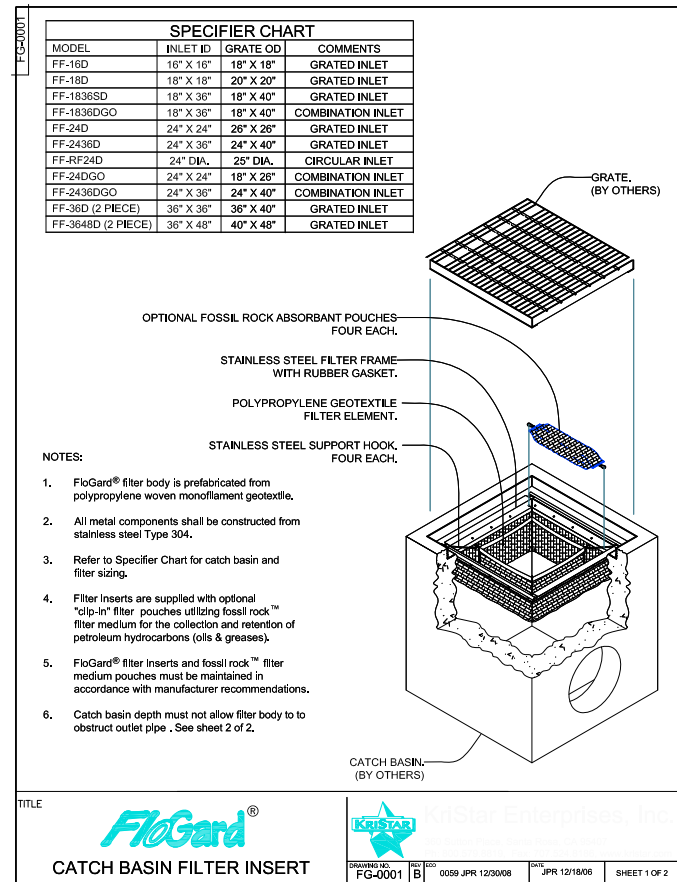
PAINTING SPECIFICATIONS:

THE PIPE GATE SHALL RECEIVE THE FOLLOWING PREPARATION & PAINTING. THE FIRST COAT SHALL BE RUS-OLEUM X-60 RED BARE METAL PRIMER OR APPROVED EQUAL. THE SECOND COAT SHALL BE RUS-OLEUM 960 ZINC CHROMATE PRIMER OR APPROVED EQUAL. THE THIRD COAT SHALL BE RUS-OLEUM 1282 HIGH GLOSS METAL FINISH OR APPROVED EQUAL.

- PREPARATION STEPS:**
- BARE METAL SURFACES – TREAT WITH THE THREE-COAT PAINTING SYSTEM LISTED AFTER A THOROUGH SCRAPING, WIRE BRUSHING & CLEANING.
 - EACH COAT OF PAINT SHALL BE APPLIED OVER THE ENTIRE GATE SURFACE.
 - ALLOW 24-48 HOURS DRYING TIME AT 60° OR ABOVE BETWEEN COATS.

1 STANDARD ENDWALL

1 NOT TO SCALE



1 STORM INLET FILTER

1 NOT TO SCALE



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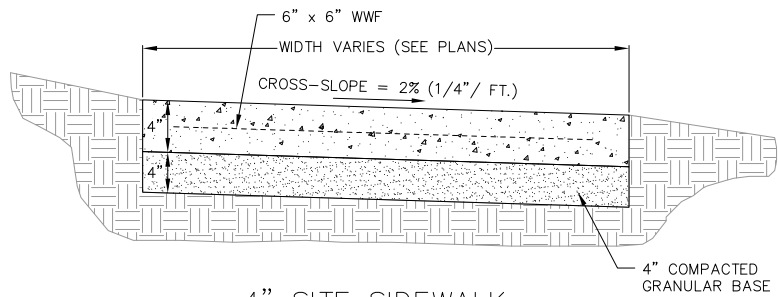
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Construction Details - 3
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

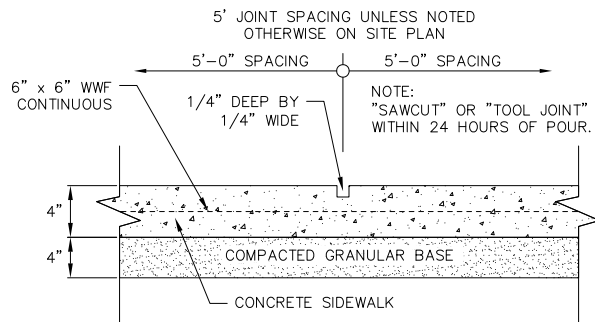
REVISIONS	NO.	DATE	REMARKS

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DATE 01-21-2020
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PROJECT NO. 190241

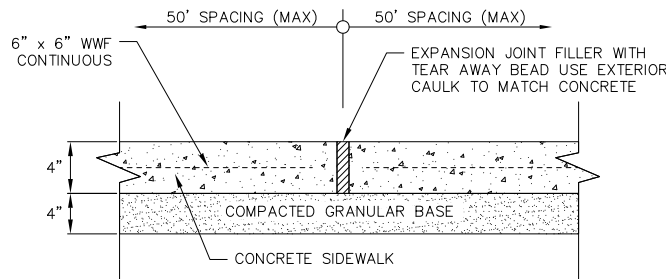
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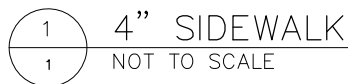
4" SITE SIDEWALK



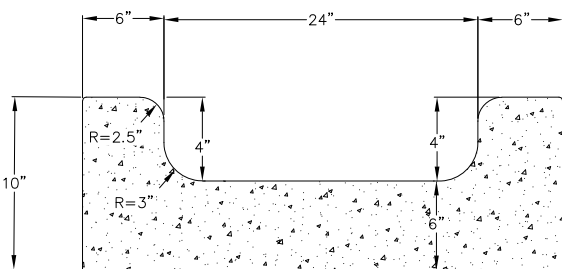
SIDEWALK CONTROL JOINT



SIDEWALK EXPANSION JOINT



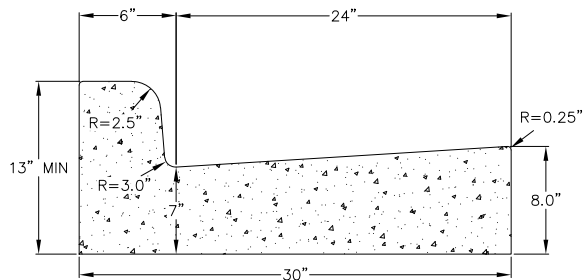
4" SIDEWALK
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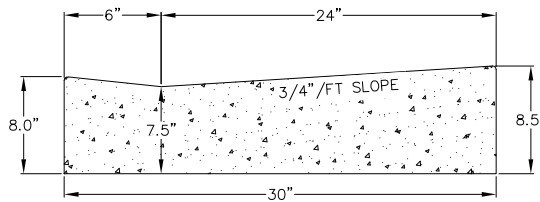
CHANNEL GUTTER SECTION



CHANNEL GUTTER
NOT TO SCALE



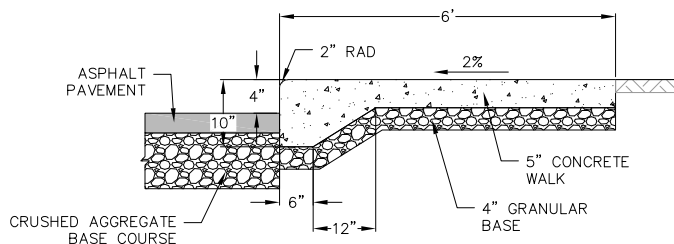
CURB AND GUTTER
CROSS SECTION



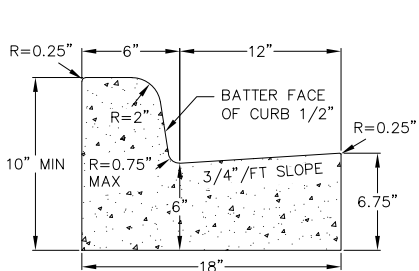
DRIVEWAY AND GUTTER
CROSS SECTION



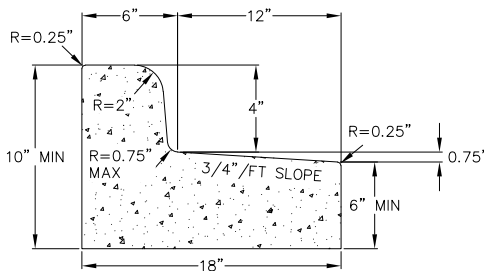
30" CONCRETE CURB AND GUTTER
NOT TO SCALE



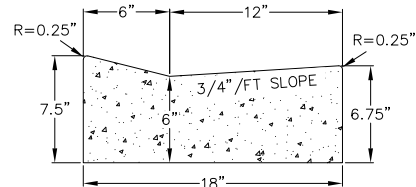
CURBED SIDEWALK SITE DETAIL
NOT TO SCALE



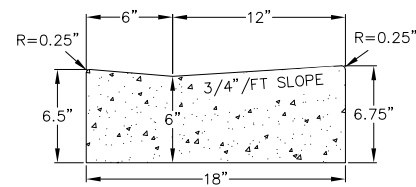
CURB AND GUTTER
CROSS SECTION



CURB AND GUTTER
REJECT SECTION



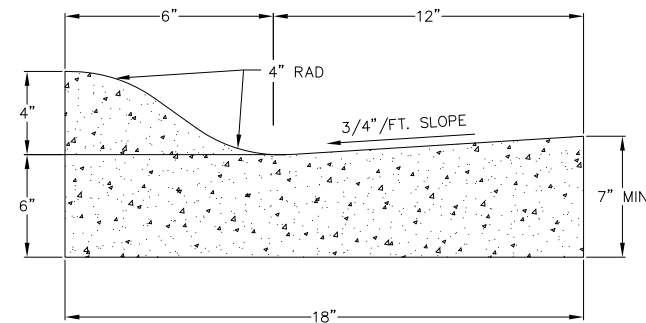
GRAVEL DRIVEWAY
GUTTER
CROSS SECTION



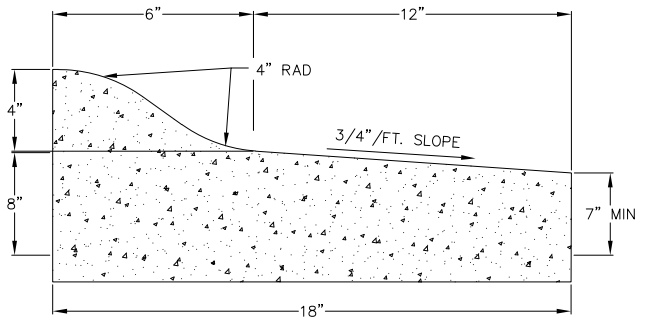
ACCESS RAMP
GUTTER CROSS SECTION



18" CONCRETE CURB AND GUTTER
NOT TO SCALE



CURB AND GUTTER
CROSS SECTION



CURB AND GUTTER
REJECT SECTION



MOUNTABLE 18" CURB SECTION
NOT TO SCALE



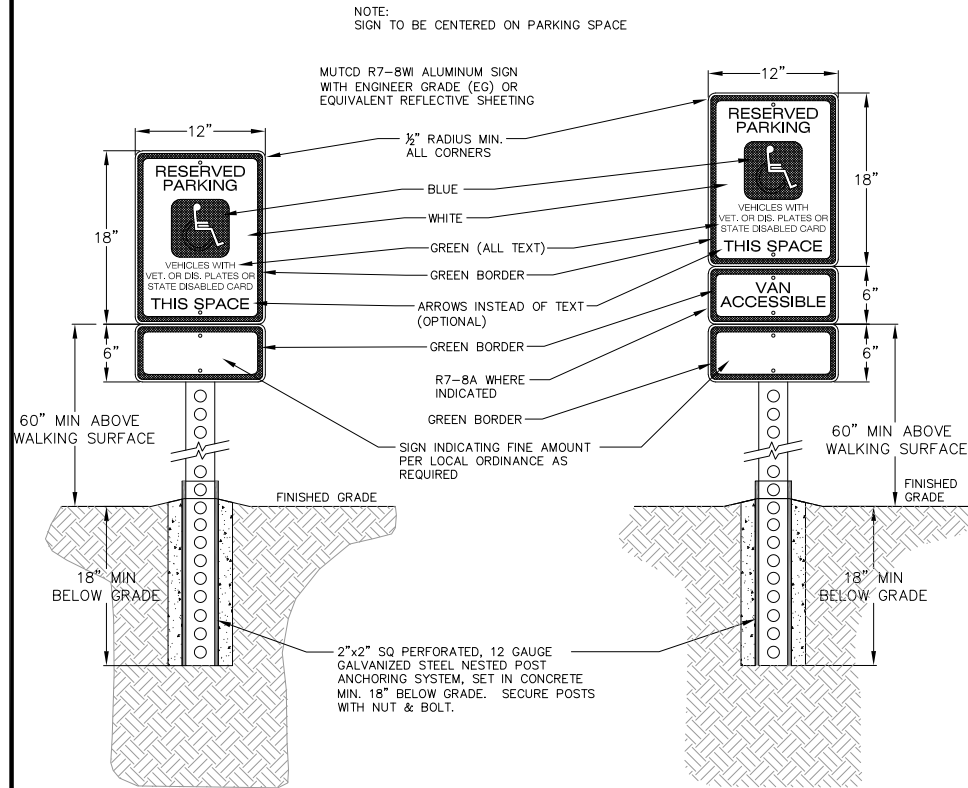
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Construction Details - 4
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	NO.	DATE	REMARKS

SCALE AS SHOWN
DATE 01-21-2020
DRAFTER SCHR/CLAN
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PROJECT NO. 190241

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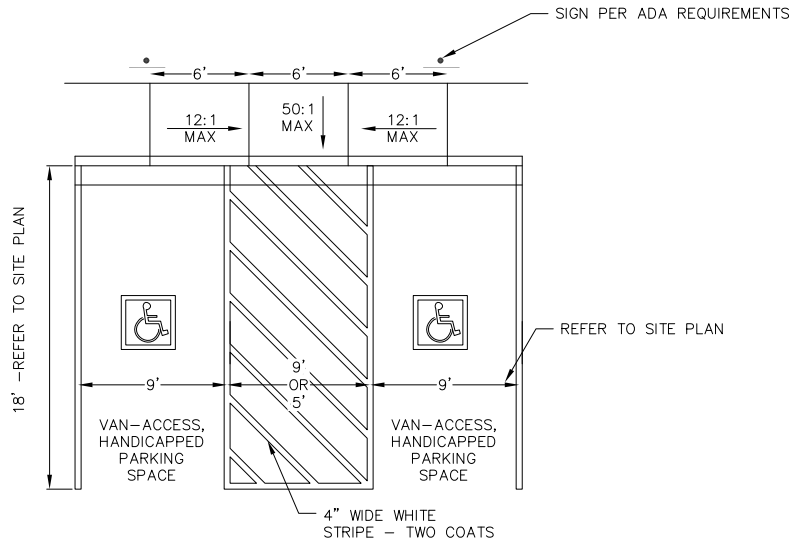


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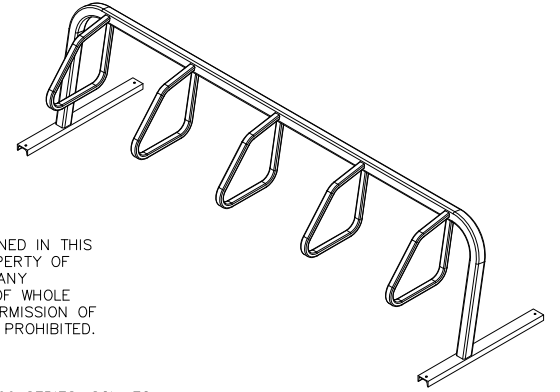
ADA SIGN
NOT TO SCALE

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ADA STRIPING
NOT TO SCALE



- ENGINEER NOTES:
1. BIKE RACK TO BE POWDER COATED IN BLACK.
 2. OTHER BIKE RACKS MAY BE PERMITTED WHICH MEET CITY OF FITCHBURG REQUIREMENTS AS APPROVED BY THE ENGINEER AND OWNER.



SARIS CYCLING GROUP

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CITY RACK, 2400 SERIES, SGL, FG



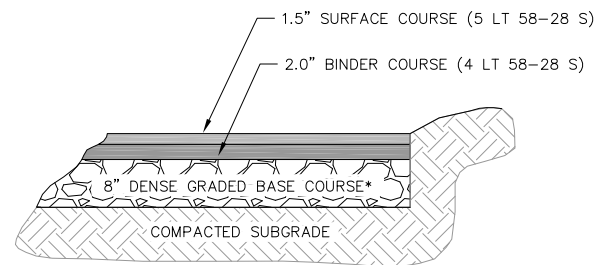
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- MANUFACTURER NOTES:
1. DO NOT SCALE DRAWING.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. FINISHING OPTIONS INCLUDE SUPER DURABLE POLYESTER POWDERCOAT AND HOT DIP GALVANIZING.
 4. SEE WEBSITE OR CATALOG FOR POLYESTER POWDERCOAT COLOR OPTIONS.

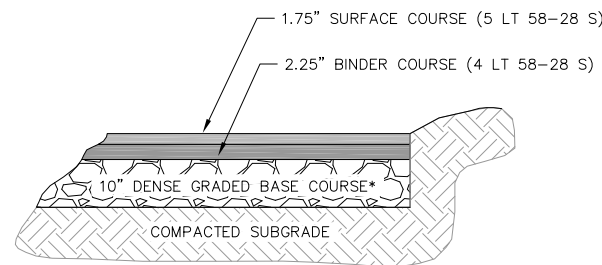
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BIKE RACK DETAIL (5-STALL SHOWN)
NOT TO SCALE



*THE UPPER 4" SHOULD CONSIST OF 1 1/4" DENSE GRADED BASE; THE BOTTOM PART OF THE LAYER CAN CONSIST OF 3" DENSE GRADED BASE

LIGHT DUTY
BITUMINOUS PAVEMENT

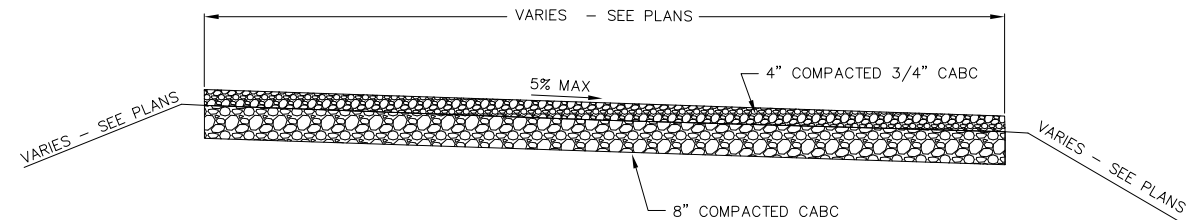


*THE UPPER 4" SHOULD CONSIST OF 1 1/4" DENSE GRADED BASE; THE BOTTOM PART OF THE LAYER CAN CONSIST OF 3" DENSE GRADED BASE

HEAVY DUTY
BITUMINOUS PAVEMENT

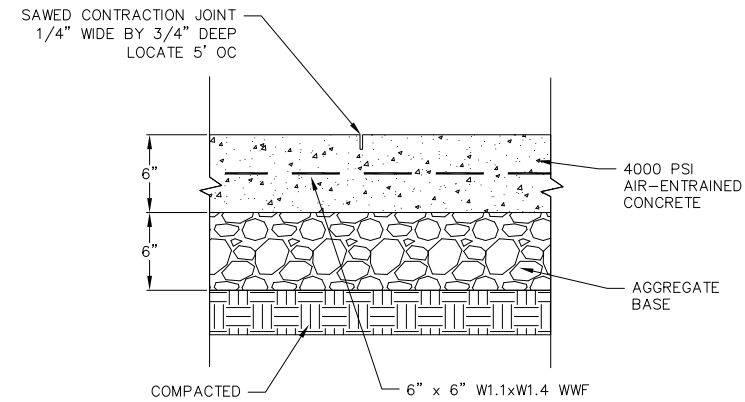
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SITE PAVEMENT
NOT TO SCALE



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GRAVEL DRIVE TYPICAL SECTION
NOT TO SCALE



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CONCRETE PAD
NOT TO SCALE



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City of Fitchburg
Dane County, WI

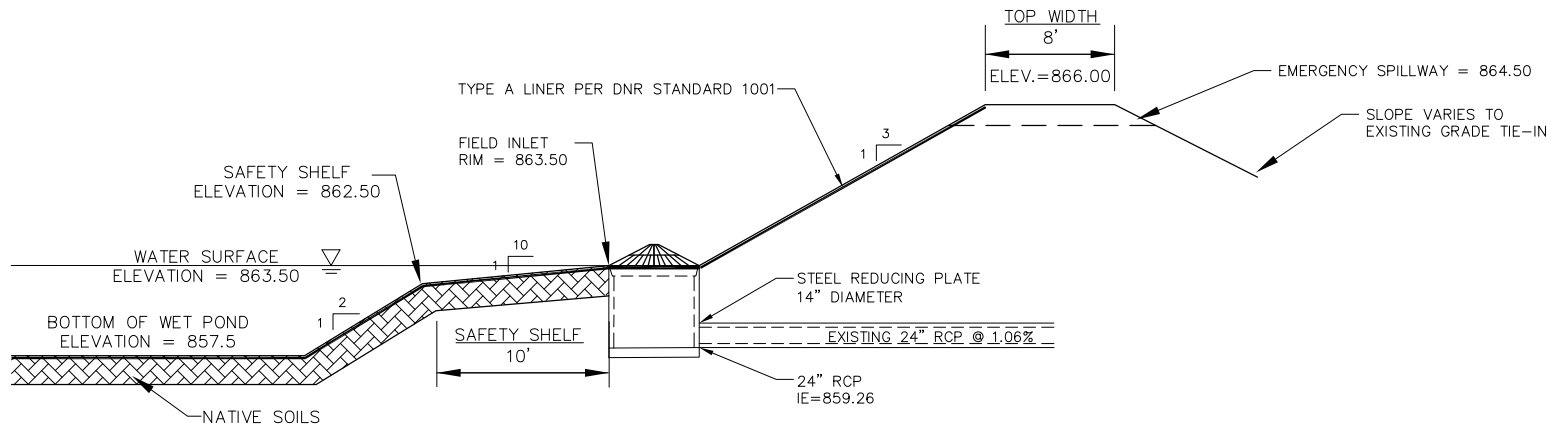
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REVISIONS	NO.	DATE	REMARKS
1	1		

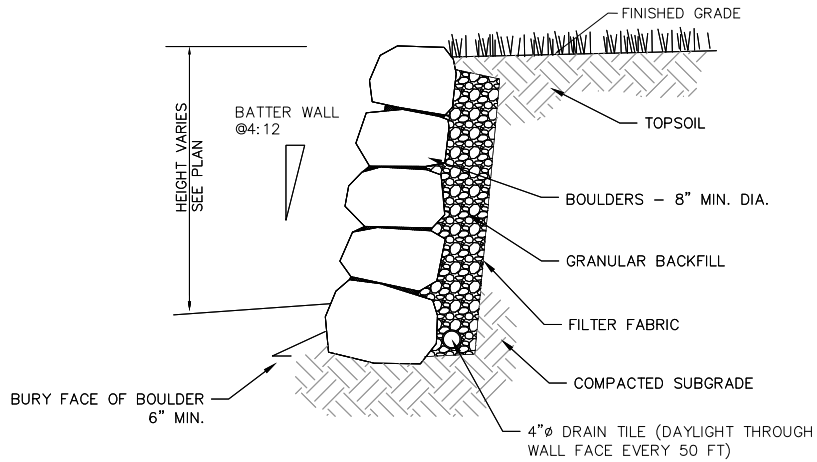
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DATE	01-21-2020
DRAFTER	SCHR/CLAN
CHECKED	MSCH/TSCH
PROJECT NO.	190241

C

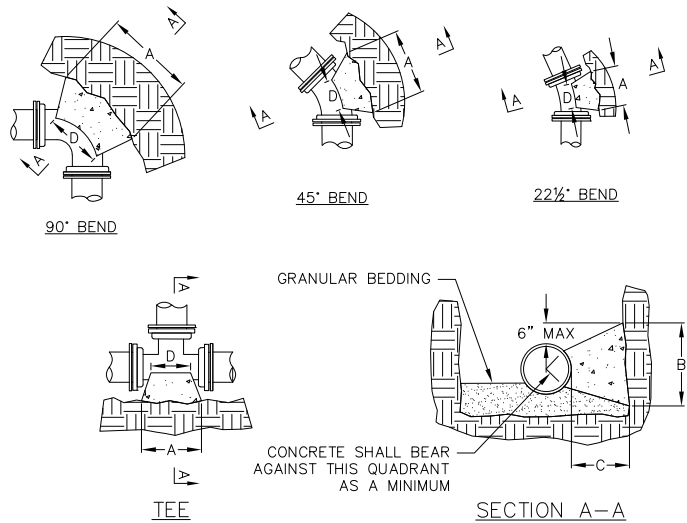
505



1 WET POND CROSS-SECTION
1 NOT TO SCALE



1 BOULDER WALL
1 NOT TO SCALE



DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.

DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "Q" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.

CONCRETE SHALL BE CLASS "C", SEE SECTION 03301

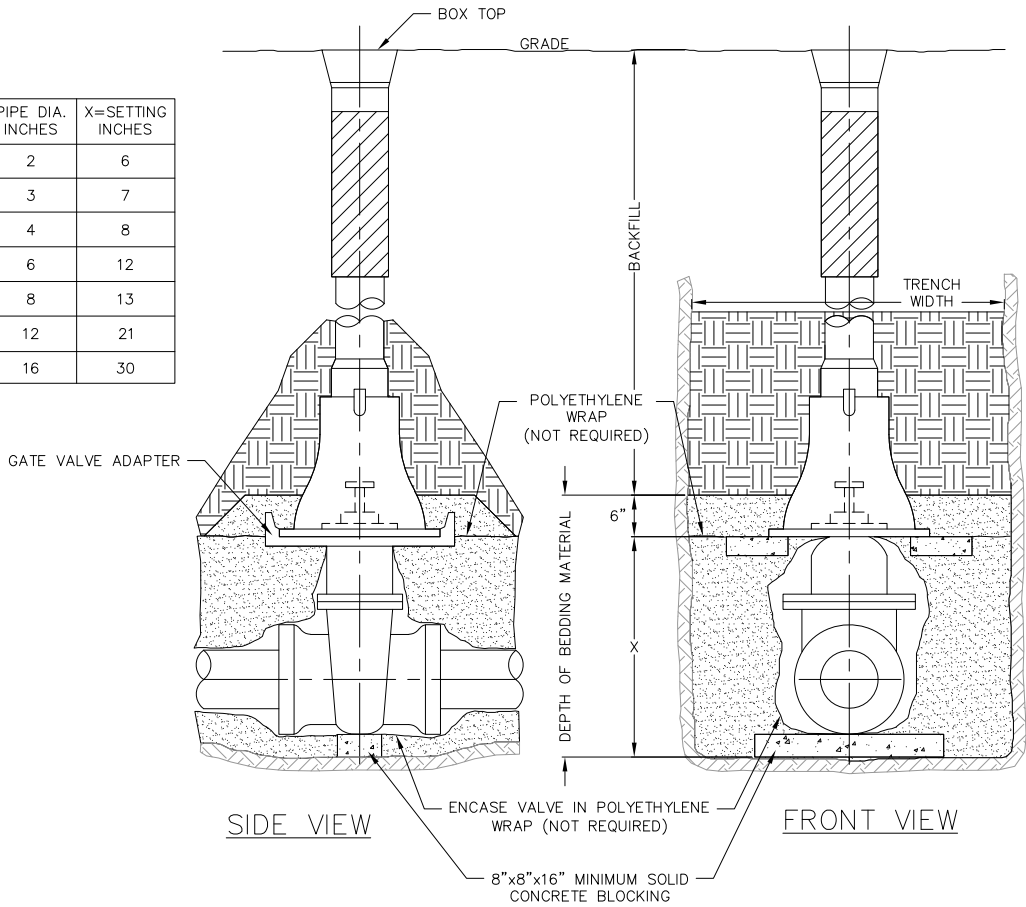
PIPE SIZE	BUTTRESS DIMENSIONS							
	TEES		22.5° BEND		45° BEND		90° BEND	
	A	B	A	B	A	B	A	B
4	0'-10"	1'-6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
6	1'-6"	1'-8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
8	1'-9"	2'-4"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
10	1'-9"	2'-4"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
12	2'-3"	1'-7"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
16	3'-8"	2'-10"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
20	5'-0"	3'-10"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"
24	5'-4"	4'-8"						

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 2000 LBS/SQ FT

* = FOR TEE THIS WILL BE THE BRANCH PIPE

1 BUTTRESS FOR BENDS
1 NOT TO SCALE

PIPE DIA. INCHES	X=SETTING INCHES
2	6
3	7
4	8
6	12
8	13
12	21
16	30

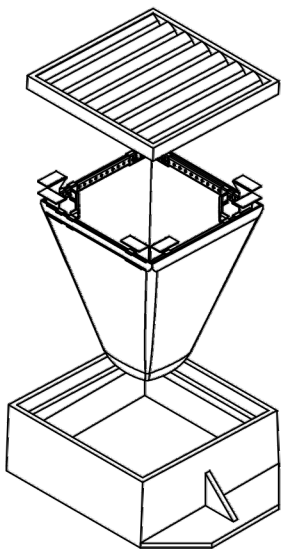
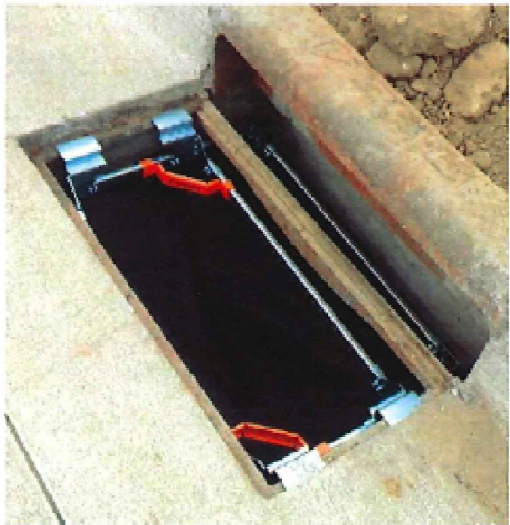
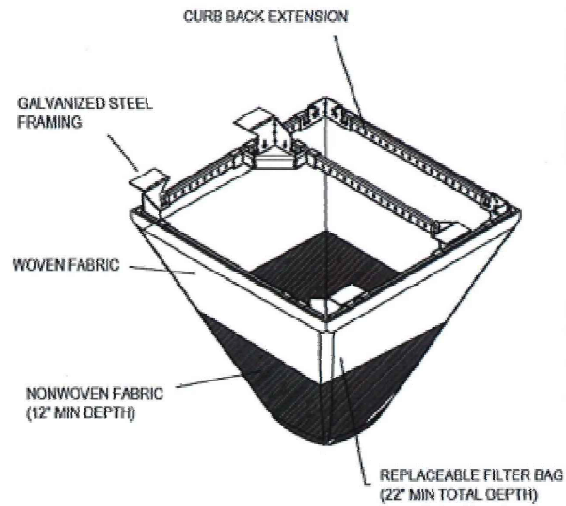


1 STANDARD GATE VALVE BOX SETTING
1 NOT TO SCALE

REVISIONS	REVISIONS	
	NO.	DATE
REMARKS		

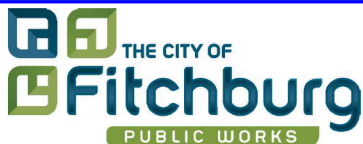
SCALE AS SHOWN
DATE 01-21-2020
DRAFTER SCHR/CLAN
CHECKED MSCH/TSCH
PROJECT NO. 190241
C
506

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INSTALLATION:

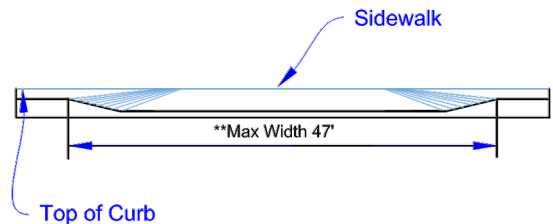
1. REMOVE GRATE.
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE.
3. REPLACE GRATE.



FRAMED INLET PROTECTION
STANDARD DETAIL DRAWING

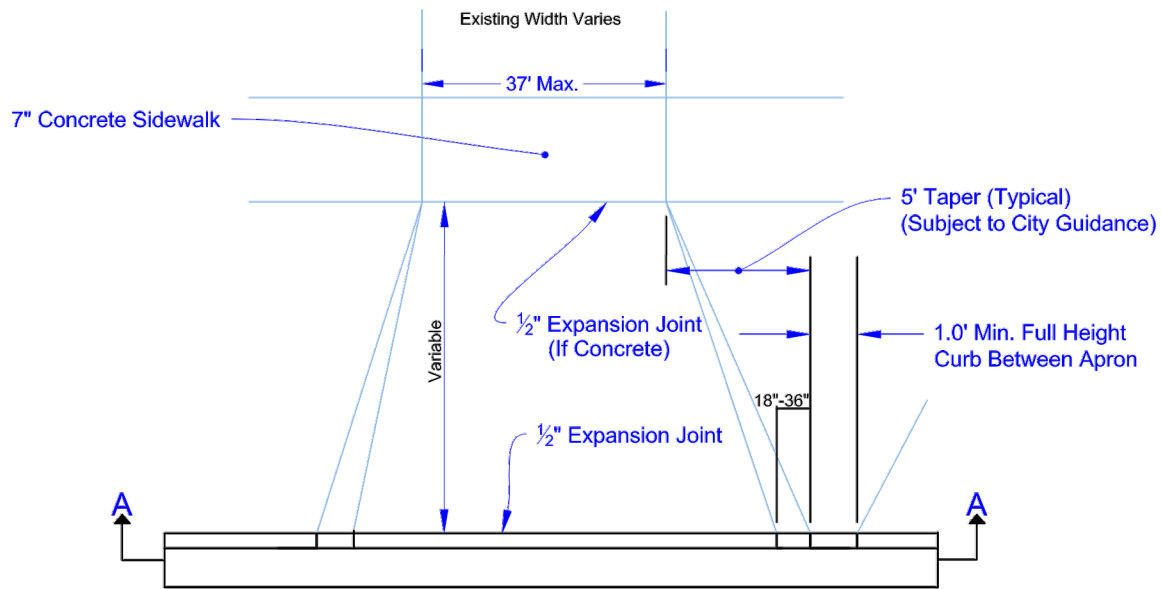
DATE: 2/8/2019
SHEET NO.: 2.01

Commercial Driveway Detail

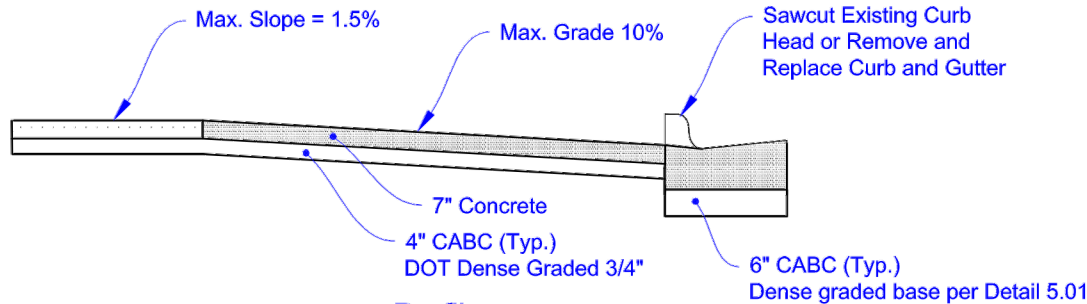


Section A-A

**Applicant may request an administrative variance for a commercial or industrial curb opening (excluding tapers) that is greater than 37' in width by providing documentation per City Ordinance 27-402 (b).



Plan



Profile



COMMERCIAL DRIVEWAY
STANDARD DETAIL DRAWING

DATE: 2/1/2017
SHEET NO.: 4.03



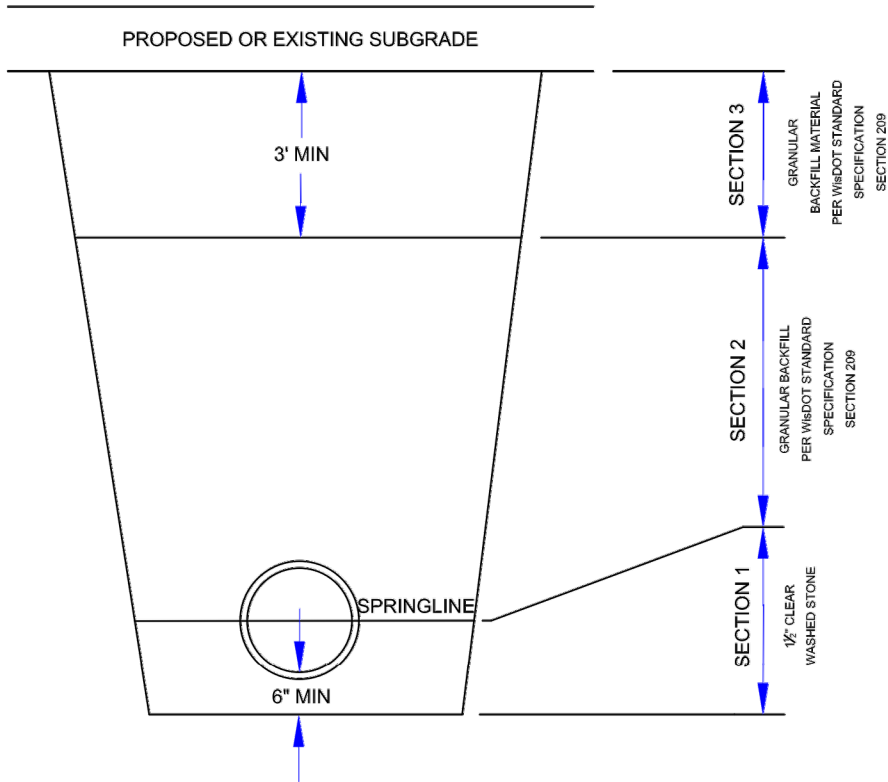
vierbicher
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Phone: (800) 261-3998

Construction Details - 7
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	NO.	DATE	REMARKS

SCALE AS SHOWN
DATE 01-21-2020
DRAFTER SCHR/CLAN
CHECKED MSCH/TSCH
PROJECT NO. 190241

File: I:\Public Works\Templates\Specifications\Drawings\2019\2019 - Details.dwg Layout: 601 User: zach.trzaskowski Plotted: Feb 15, 2019 - 7:56am



STANDARD TRENCH COMPACTION
ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

SECTION 1:
MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.

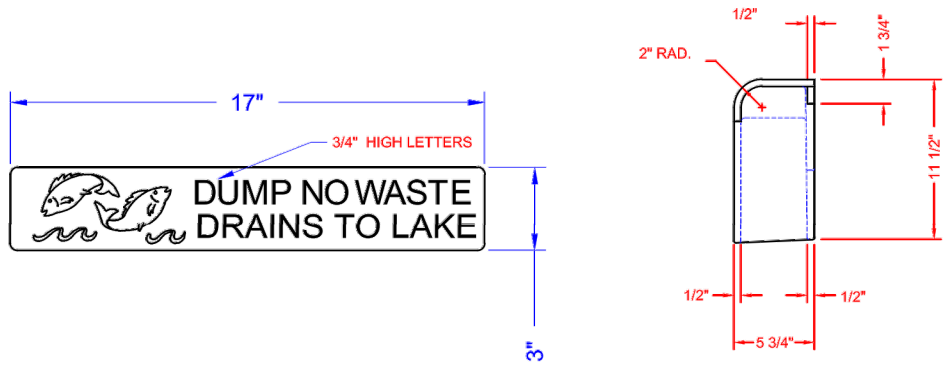
SECTION 2:
MINIMUM COMPACTION 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO (2) FEET ABOVE THE TOP OF PIPE.

SECTION 3:
MINIMUM COMPACTION 95% MAXIMUM DENSITY.

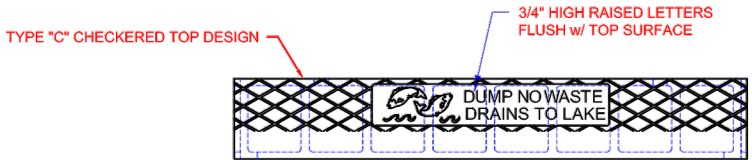


STORM SEWER TRENCH
STANDARD DETAIL DRAWING

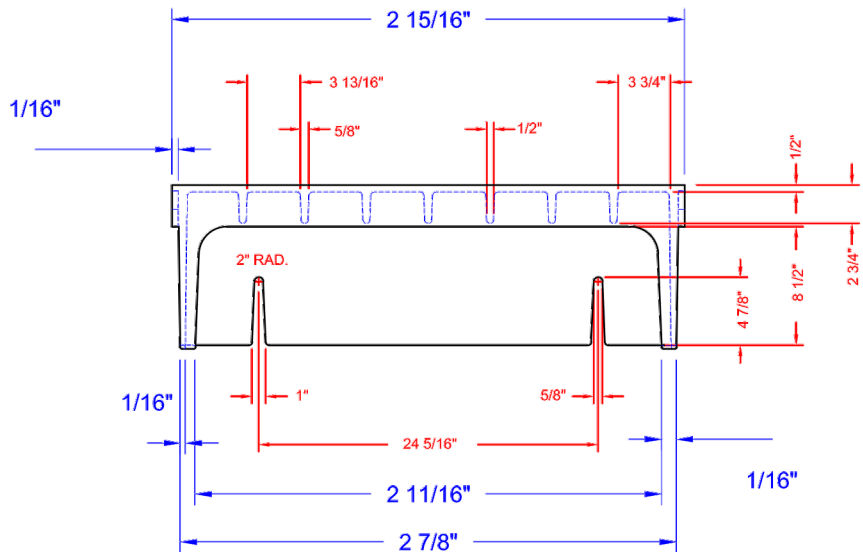
DATE: 2/1/2017
SHEET NO.: 6.01



NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 126#



TOP VIEW



FRONT VIEW



CURB BOX
STANDARD DETAIL DRAWING

DATE: 1/24/2014
SHEET NO.: 6.02



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Construction Details - 8
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

SCALE: AS SHOWN

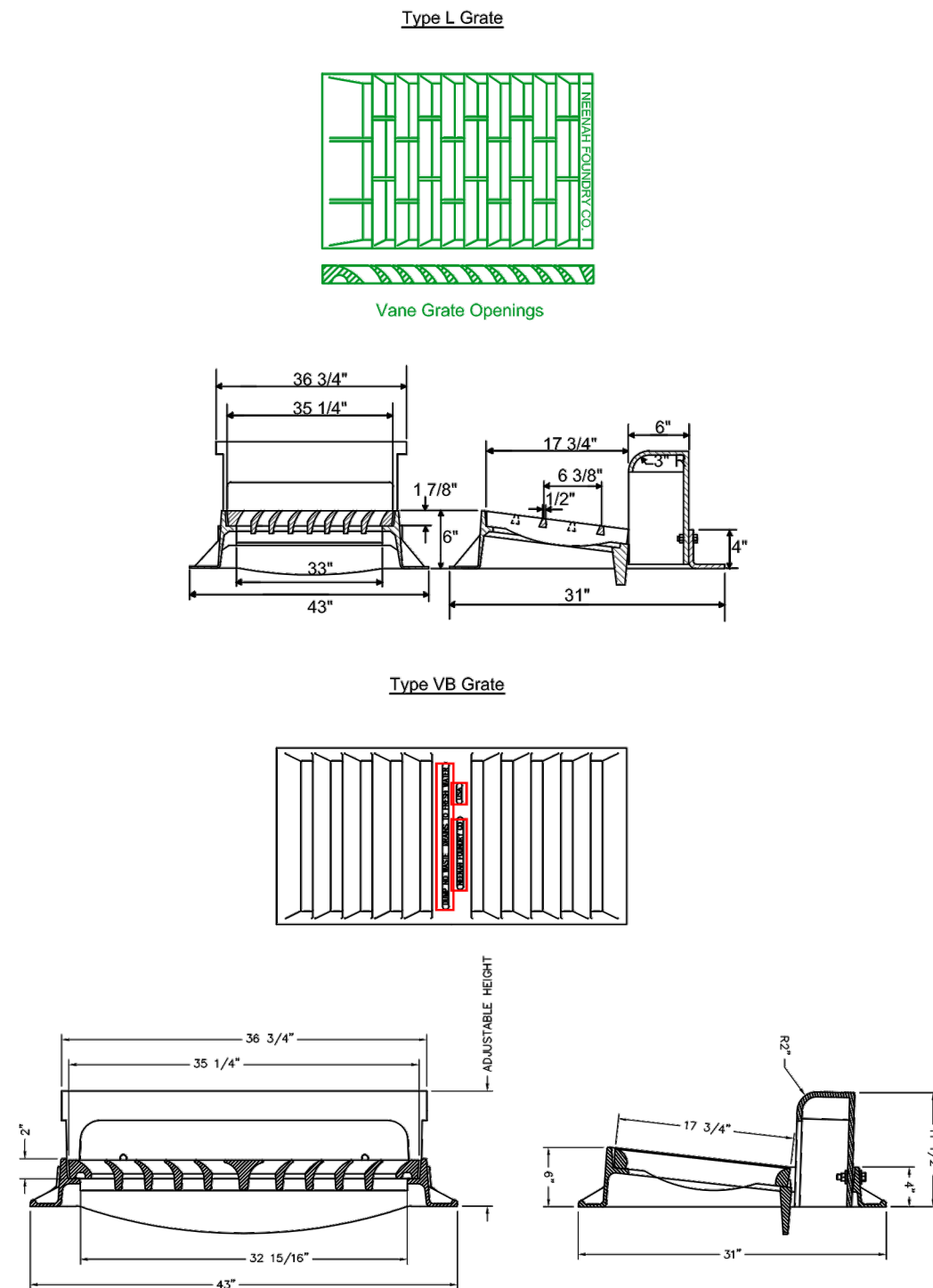
DATE: 01-21-2020

DRAFTER: SCHR/CLAN

CHECKED: MSCH/TSCH

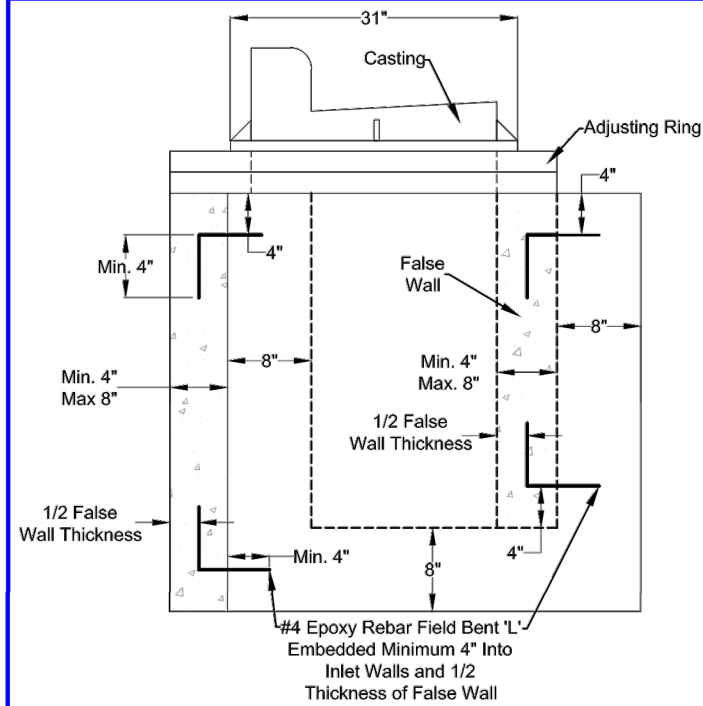
PROJECT NO.: 190241

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508

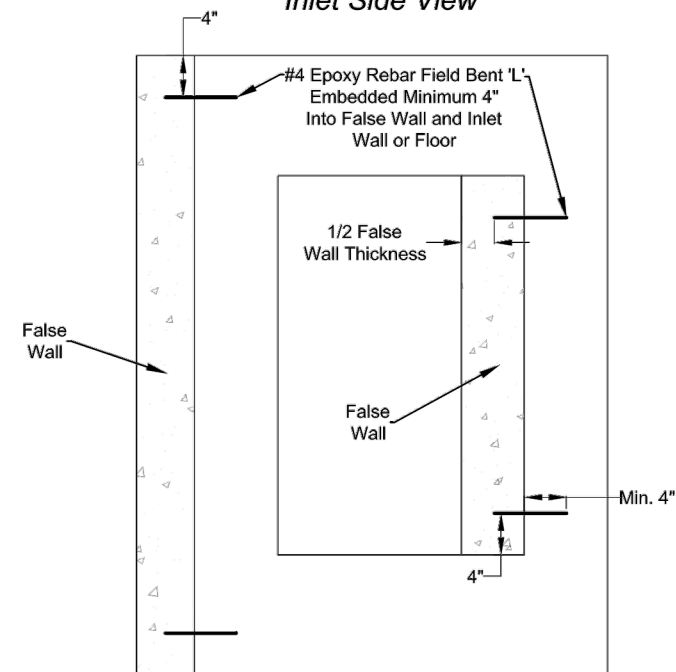


INLET COVERS, TYPE H
STANDARD DETAIL DRAWING

DATE:	1/31/2019
SHEET NO.:	6.03



Offset Using False Wall Inlet Side View



Offset Using False Wall
Inlet Top View

Note:

To insure the inlet casting is aligned correctly with the curb and gutter, an offset of the inlet casting may be required. The acceptable inlet casting offsets are shown and the guidelines are as follows:

- (1) If adjustment is required the inlet casting offset shall be obtained by the construction of two false walls with equal wall thickness varying from four to eight inches (4"-8") depending on the offset required. The placement and anchoring shall be constructed in the manner shown.
- (2) If the adjustment required is greater than eight inches (8"), the inlet shall be repositioned or reconstructed to reduce the offset.

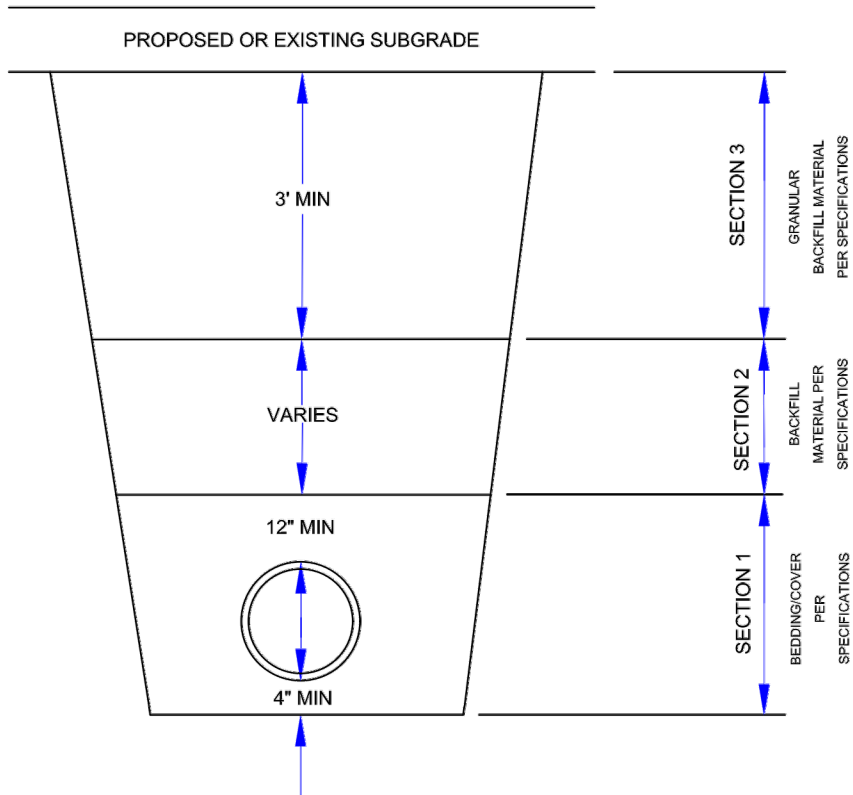
These specifications are applicable for both poured-in-place and precast inlets. The detail shows a poured-in-place inlet. A precast inlet would only differ with a wall thickness of 5".



INLET FALSE WALL
STANDARD DETAIL DRAWING

DATE:	1/8/2015
SHEET NO.:	6.04

File: I:\Public Works\Templates\Specifications\Drawings\2019\2019 - Details.dwg Layout: 701 User: zach.trzebielowski Plotted: Feb 15, 2019 - 7:59am



STANDARD TRENCH COMPACTION
ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

SECTION 1:
MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.

SECTION 2:
MINIMUM COMPACTION 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO (2) FEET ABOVE THE TOP OF PIPE.

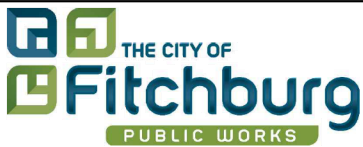
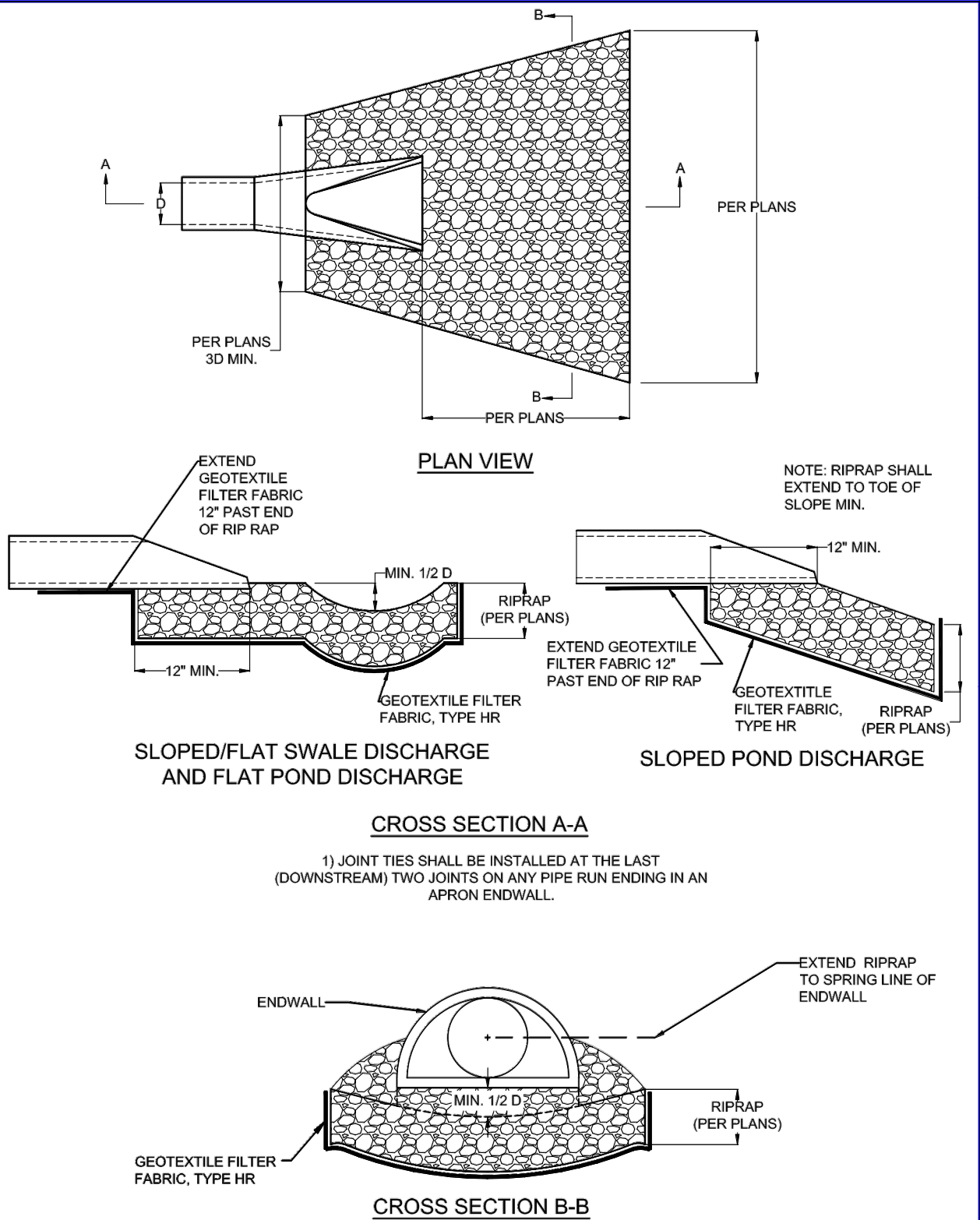
SECTION 3:
MINIMUM COMPACTION 95% MAXIMUM DENSITY.



SANITARY SEWER &
WATER MAIN TRENCH
STANDARD DETAIL DRAWING

DATE:
1/24/2014
SHEET NO.:
7.01

File: I:\Public Works\Templates\Specifications\Drawings\2019\2019 - Details.dwg Layout: 606 User: zach.trzebielowski Plotted: Feb 15, 2019 - 7:59am



RIP RAP AND ENDWALL
INSTALLATION
STANDARD DETAIL DRAWING

DATE:
1/9/2015
SHEET NO.:
6.06



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Construction Details - 10
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	NO.	DATE	REMARKS

SCALE:
AS SHOWN

DATE:
01-21-2020

DRAFTER:
SCHR/CLAN

CHECKED:
MSCH/TSCH

PROJECT NO.
190241

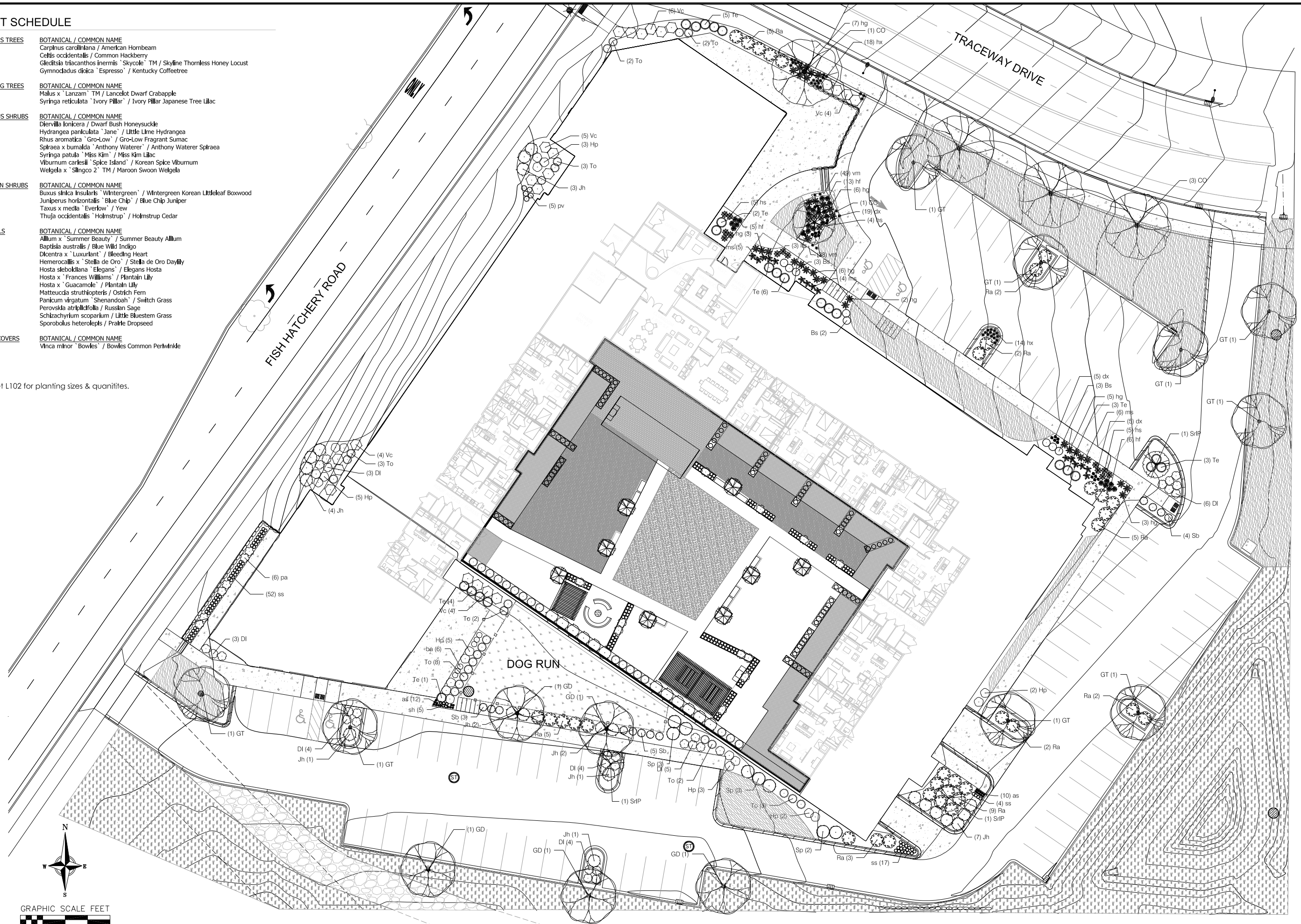
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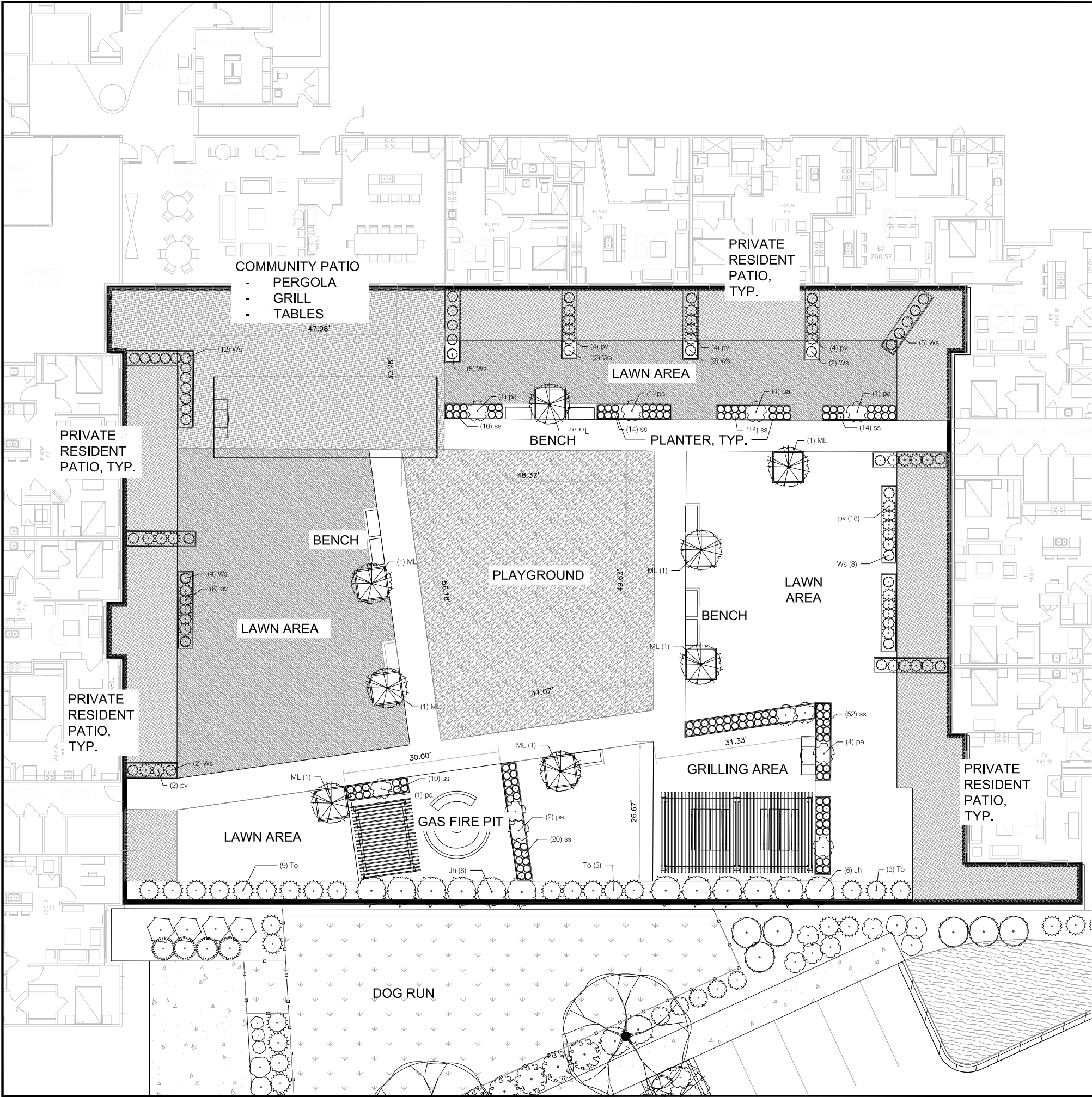
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APPENDIX 'C'

SPECIFIC IMPLEMENTATION PLAN

LANDSCAPING PLANS





PLANT SCHEDULE

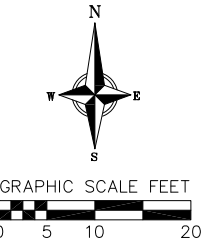
DECIDUOUS TREES		BOTANICAL / COMMON NAME		CONT	CAL	QTY	
CC		Carpinus caroliniana / American Hornbeam		B & B	2"Cal	1	
CO		Celtis occidentalis / Common Hackberry		B & B	2"Cal	4	
GT		Gleditsia triacanthos Inermis 'Skycole' TM / Skyline Thornless Honey Locust		B & B	2.5"Cal	9	
GD		Gymnocladus dioica 'Espresso' / Kentucky Coffeetree		B & B	2.5"Cal	5	
FLOWERING TREES		BOTANICAL / COMMON NAME		CONT	CAL	QTY	
ML		Malus x 'Lanzam' TM / Lancelot Dwarf Crabapple		10 gal		8	
SrIP		Syringa reticulata 'Ivory Pillar' / Ivory Pillar Japanese Tree Lilac		B & B	2"Cal	3	
DECIDUOUS SHRUBS		BOTANICAL / COMMON NAME		SIZE	FIELD2	QTY	
DI		Diervilla lonicera / Dwarf Bush Honeysuckle		3 gal		29	
Hp		Hydrangea paniculata 'Jane' / Little Lime Hydrangea		3 gal		20	
Ra		Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac		3 gal		35	
Sb		Spiraea x bumalda 'Anthony Waterer' / Anthony Waterer Spiraea		3 gal		12	
Sp		Syringa patula 'Miss Kim' / Miss Kim Lilac		7 gal	Cont	8	
Vc		Viburnum carlesii 'Spice Island' / Korean Spice Viburnum		5 gal		23	
Ws		Welgela x 'Slingco 2' TM / Maroon Swoon Welgela		3 gal	Cont	42	
EVERGREEN SHRUBS		BOTANICAL / COMMON NAME		SIZE	FIELD2	QTY	
Bs		Buxus sinica Insularis 'Wintergreen' / Wintergreen Korean Littleleaf Boxwood		5 gal		8	
Jh		Juniperus horizontalis 'Blue Chip' / Blue Chip Juniper		5 gal		33	
Te		Taxus x media 'Everlow' / Yew		5 gal		24	
To		Thuja occidentalis 'Holmstrup' / Holmstrup Cedar		7 gal		42	
PERENNIALS		BOTANICAL / COMMON NAME		SIZE	FIELD2	QTY	
as		Allium x 'Summer Beauty' / Summer Beauty Allium		1 gal		22	
ba		Baptisia australis / Blue Wild Indigo		1 gal		6	
dx		Dicentra x 'Luxuriant' / Bleeding Heart		1 gal		29	
hx		Hemerocallis x 'Stella de Oro' / Stella de Oro Daylily		1 gal		35	
hs		Hosta sieboldiana 'Elegans' / Elegans Hosta		1 gal		17	
hf		Hosta x 'Frances Williams' / Plantain Lily		1 gal		24	
hg		Hosta x 'Guacamole' / Plantain Lily		1 gal		32	
ms		Matteuccia struthiopteris / Ostrich Fern		1 gal		15	
pv		Panicum virgatum 'Shenandoah' / Switch Grass		1 gal		45	
pa		Perovskia atriplicifolia / Russian Sage		1 gal		17	
ss		Schizachyrium scoparium / Little Bluestem Grass		4" pot		207	
sh		Sporobolus heterolepis / Prairie Dropseed		4" pot	Cont	5	
GROUND COVERS		BOTANICAL / COMMON NAME		CONT	FIELD2	SPACING	QTY
vm		Vinca minor 'Bowles' / Bowles Common Periwinkle		flat		12" o.c.	83 sf

GROUNDCOVER & SEEDING SCHEDULE

	NATIVE SEEDING	17,524 sf
	TURF	16,660 sf
	RESIDENT PATIOS	3,197 sf
	PLAY AREA	2,354 sf
	ARTIFICIAL TURF DOG RUN	2,596 sf
	PLAZA	1,732 sf

GENERAL NOTES:

1. All plantings shall conform to quality requirements as per ANSI Z60.1.
2. All plant material shall be true to the species, variety and size specified, nursery grown in accordance with good horticultural practices, and under climactic conditions similar to those of the project site.
3. Contact Landscape Architect, in writing, to request and plant material substitutions due to availability issues.
4. All areas shown as turf grass and any disturbed areas, unless otherwise noted, to be seeded with Madison Parks Mix by LaCrosse Seed Company or equivalent, per manufacturer's specified application rates. Areas shown as native seeding to be seeded with Diverse Prairie for Medium Soils by Prairie Nursery, or equal. All seeded areas are to be watered daily to maintain adequate soil moisture for proper germination. After vigorous growth is established, apply 1/2" water twice weekly until final acceptance.
5. All plants shall be guaranteed to be in healthy and flourishing condition during the growing season following installation. All plant material shall be guaranteed for one year from the time of installation.
6. Contractor shall provide a suitable amended topsoil blend for all planting areas where soil conditions are unsuitable for plant growth. Topsoil shall conform to quality requirements as per Section 625.2(1) of the Standard Specifications for Highway Construction. Provide a minimum of 12" of topsoil in all planting areas and 6" of topsoil in areas to be seeded/sodded.
7. Landscape beds to be mulched with undyed shredded hardwood bark mulch to 3" depth min. and edged with commercial grade aluminum landscape edging, Permaloc CleanLine 3/4" x 4" or equal, color black anodized .



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Preliminary Roof Deck
3101 Fish Hatchery Redevelopment
City of Fitchburg
Dane County, WI

REVISIONS	REVISIONS		REVISIONS	REVISIONS	
	NO.	DATE	NO.	DATE	REMARKS

SCALE
AS SHOWN

DATE
01-21-2020

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PROJECT NO.
190241

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APPENDIX 'D'

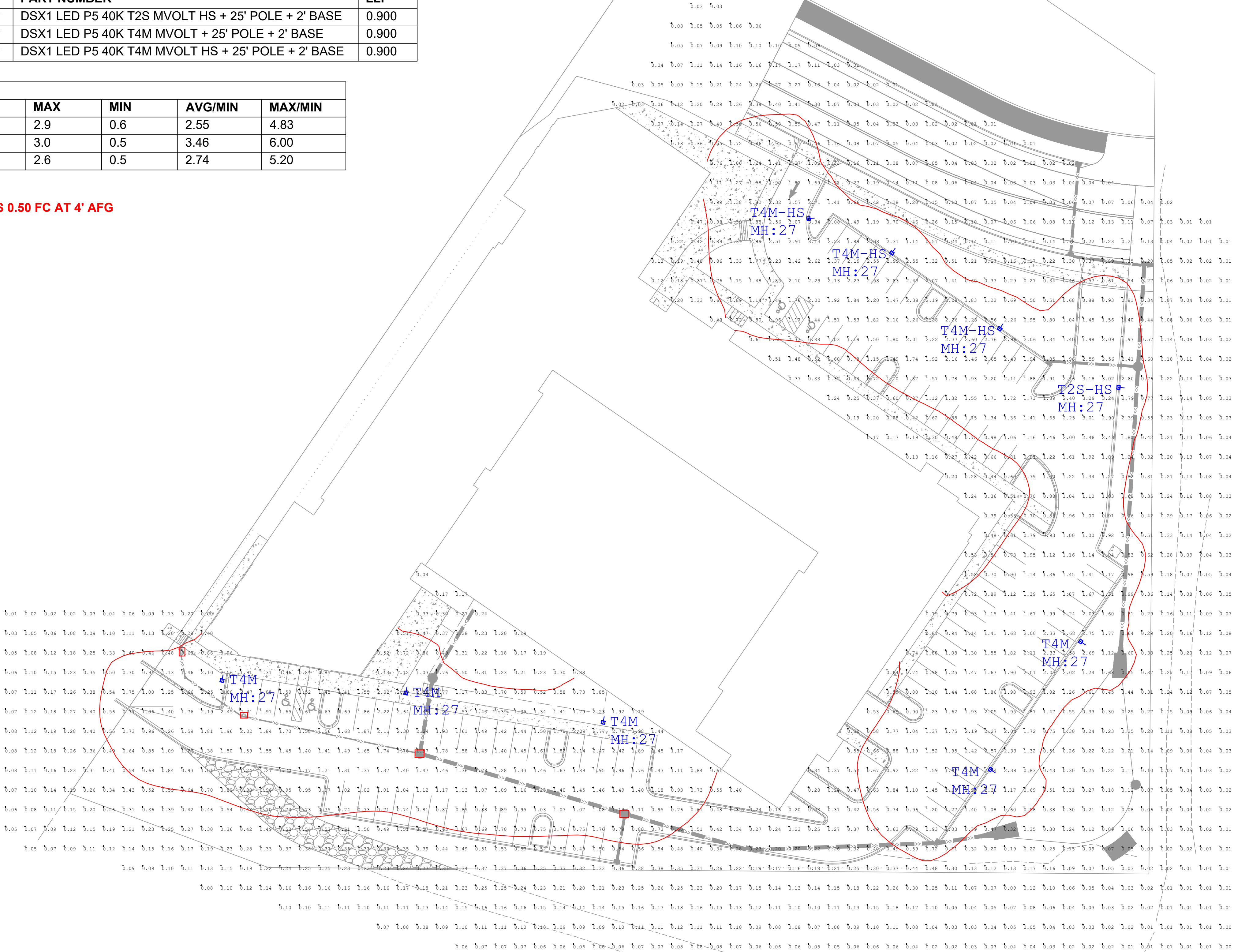
SPECIFIC IMPLEMENTATION PLAN

LIGHTING PLANS

Luminaire Schedule				
QTY	TYPE	MFR	PART NUMBER	LLF
1	T2S-HS	Acuity	DSX1 LED P5 40K T2S MVOLT HS + 25' POLE + 2' BASE	0.900
5	T4M	Acuity	DSX1 LED P5 40K T4M MVOLT + 25' POLE + 2' BASE	0.900
3	T4M-HS	Acuity	DSX1 LED P5 40K T4M MVOLT HS + 25' POLE + 2' BASE	0.900

Calculation Summary					
AREA	AVG	MAX	MIN	AVG/MIN	MAX/MIN
East Parking	1.53	2.9	0.6	2.55	4.83
North Parking	1.73	3.0	0.5	3.46	6.00
South Parking	1.37	2.6	0.5	2.74	5.20

CONTOUR REPRESENTS 0.50 FC AT 4' AFG



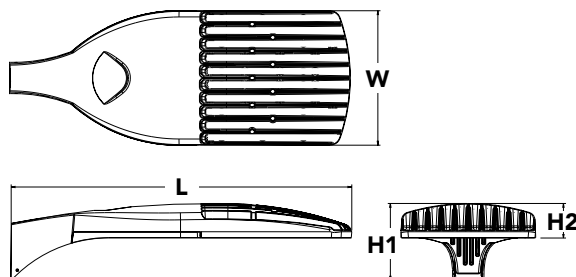
#	DATE	COMMENTS
REVISIONS		

DRAWN BY: JS	DATE: 1 / 20 / 2020	SCALE: 1" = 30'-0"
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3101 FISH HATCHERY	FITCHBURG, WI	LED SITE LIGHTING PLAN
--------------------	---------------	------------------------



EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



A+ Capable options indicated by this color background.

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NITAIR2 PIRHN DDBXD

DSX1 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics	30K 3000 K	T1S Type I short T5VS Type V very short	MVOLT ³	Shipped included
	P1 P4 P7	40K 4000 K	T2S Type II short T5S Type V short	120 ⁴	SPA Square pole mounting
	P2 P5 P8	50K 5000 K	T2M Type II medium T5M Type V medium	208 ⁴	RPA Round pole mounting
	P3 P6 P9		T3S Type III short T5W Type V wide	240 ⁴	WBA Wall bracket
	Rotated optics		T3M Type III medium BLC Backlight control ²	277 ⁴	SPUMBA Square pole universal mounting adaptor ⁵
	P10 ¹ P12 ¹		T4M Type IV medium LCCO Left corner cutoff ²	347 ⁴	RPUMBA Round pole universal mounting adaptor ⁵
	P11 ¹ P13 ¹		FTFM Forward throw medium RCCO Right corner cutoff ²	480 ⁴	Shipped separately
					KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁶

Control options		Other options		Finish <i>(required)</i>	
Shipped installed		PIR	High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 5fc ^{15,16}	Shipped installed	DDBXD Dark bronze
NLTAIR2	nLight AIR generation 2 enabled ⁷	PIRH	High/low, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 5fc ^{15,16}	HS House-side shield ¹⁷	DBLXD Black
PIRHN	Network, high/low motion/ambient sensor ⁸	PIR1FC3V	High/low, motion/ambient sensor, 8–15' mounting height, ambient sensor enabled at 1fc ^{15,16}	SF Single fuse (120, 277, 347V) ⁴	DNAXD Natural aluminum
PER	NEMA twist-lock receptacle only (controls ordered separate) ⁹	PIRH1FC3V	Bi-level, motion/ambient sensor, 15–30' mounting height, ambient sensor enabled at 1fc ^{15,16}	DF Double fuse (208, 240, 480V) ⁴	DWHXD White
PER5	Five-pin receptacle only (controls ordered separate) ^{9,10}	FAO	Field adjustable output ¹⁴	L90 Left rotated optics ¹	DBBTXD Textured dark bronze
PER7	Seven-pin receptacle only (controls ordered separate) ^{9,10}			R90 Right rotated optics ¹	DBLBXD Textured black
DMG	0–10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹¹			Shipped separately	DNATXD Textured natural aluminum
DS	Dual switching ^{12,13,14}			BS Bird spikes ¹⁸	DWHGXD Textured white
				EGS External glare shield	



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COMMERCIAL OUTDOOR

Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

DSX1-LED

Rev. 12/09/19

Page 1 of 8

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁹
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁹
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁹
DSHORT SBK U	Shorting cap ¹⁹
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ¹⁷
DSX1HS 40C U	House-side shield for P6 and P7 ¹⁷
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ¹⁷
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁰
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁶
DSX1EGS (FINISH) U	External glare shield

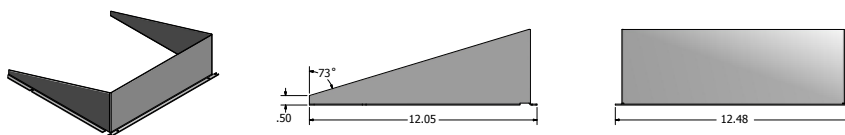
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAR2. For more information on nLight Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIRHFC3V or PIRH1FC3V.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

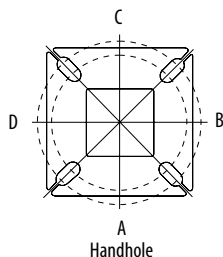
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



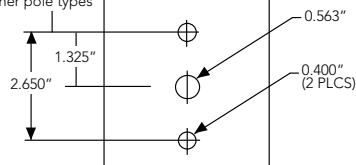
Tenon Mounting Slipfitter**

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2-3/8"	SPA/RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
	SPUMBA	AS3-5 190	AS3-5 280	AS4-5 290	AS3-5 320	AS4-5 390	AS4-5 490
	RUPUMBA	AS3-5 190	AS3-5 280		AS3-5 320		
2-7/8"	SPA/RPA	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
	SPUMBA	AST25-190	AST25-280		AST25-320		
	RUPUMBA	AST25-190	AST25-280		AST25-320		
4"	SPA/RPA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	SPUMBA	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
	RUPUMBA	AST35-190	AST35-280		AST35-320		

Template #8

Top of Pole

1.75" for aluminum poles
2.75" for other pole types



Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

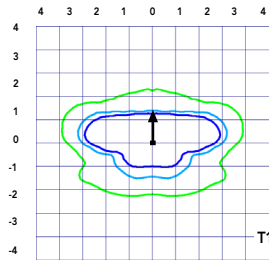
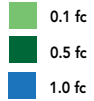
	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RUPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Photometric Diagrams

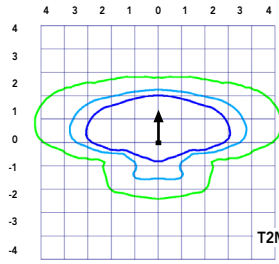
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

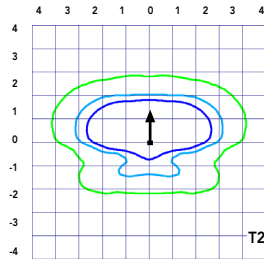
LEGEND



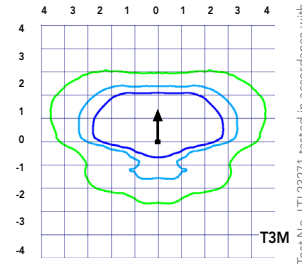
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



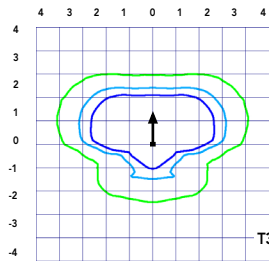
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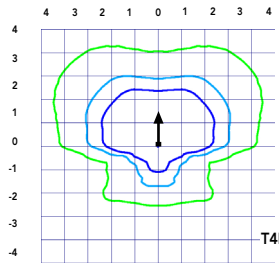
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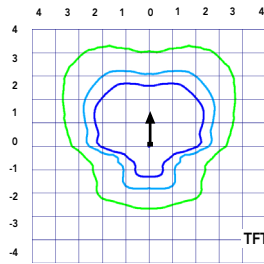
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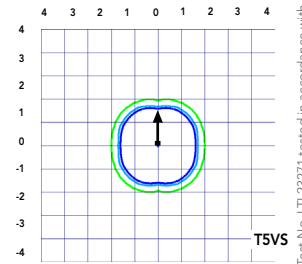
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



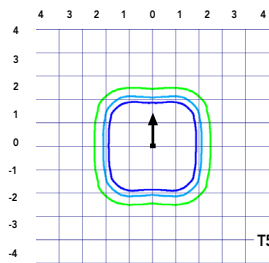
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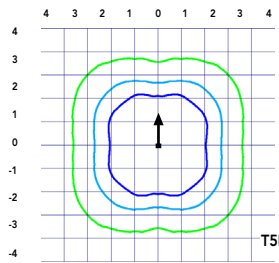
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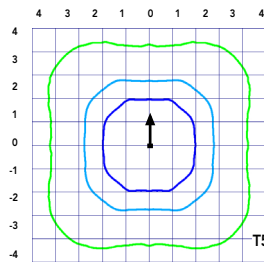
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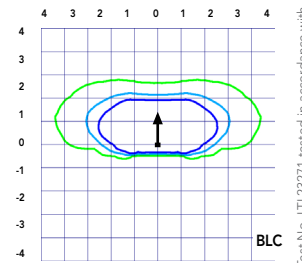
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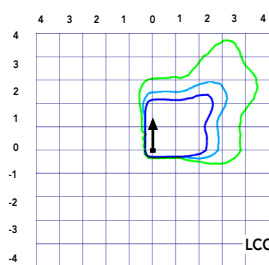
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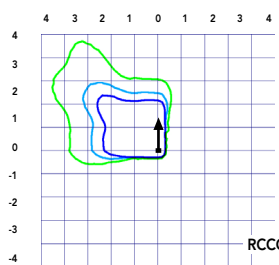
Test No. LTL23222 tested in accordance with IESNA LM-79-08.



Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	P1	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				TSM	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	P2	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	P3	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				TSM	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	P4	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				TSM	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	P5	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				TSM	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				TSM	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				TSM	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				TSM	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				TSS	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				TSM	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				TSS	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				TSM	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				TSS	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				TSS	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				TSM	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



COMMERCIAL OUTDOOR

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DSX1-LED

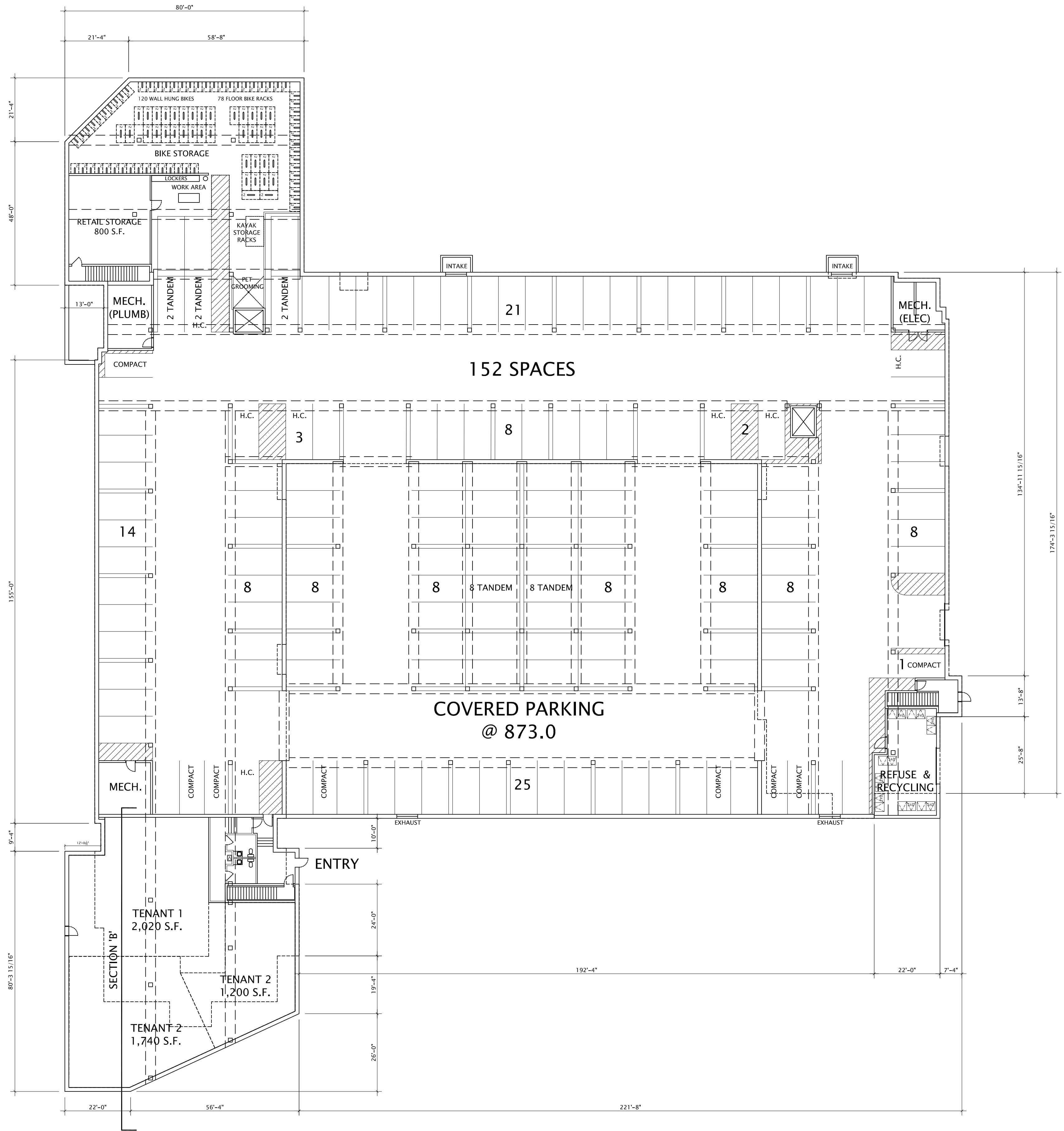
Rev. 12/09/19

Page 8 of 8

APPENDIX 'E'

SPECIFIC IMPLEMENTATION PLAN

FLOOR PLANS



16 LOWER LEVEL PLAN
1" = 20'-0"



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ARCHITECTS

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JLA PROJECT NUMBER: 19-0903

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DATE OF ISSUANCE 01/21/2020

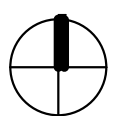
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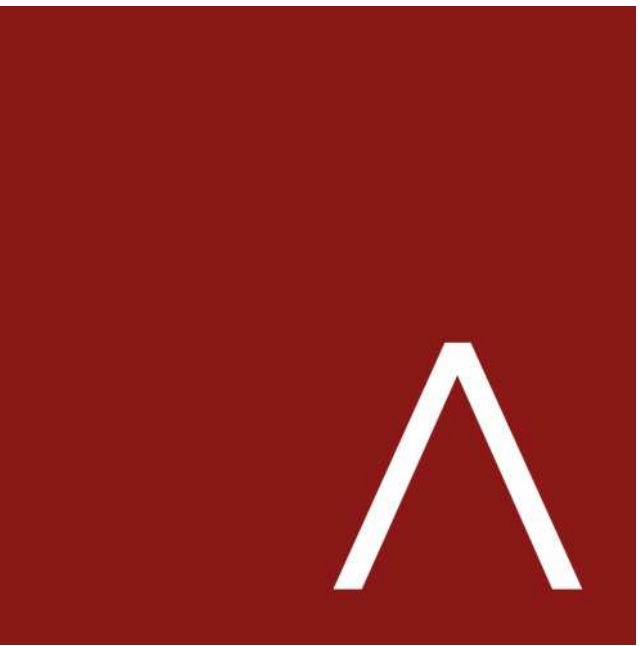
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A100



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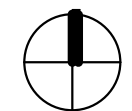
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SHEET TITLE

FIRST FLOOR PLAN

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A101





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DATE OF ISSUANCE	01/21/2020
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REVISION SCHEDULE

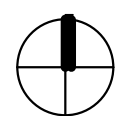
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SECOND FLOOR PLAN

SHEET NUMBER

A102





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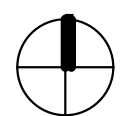
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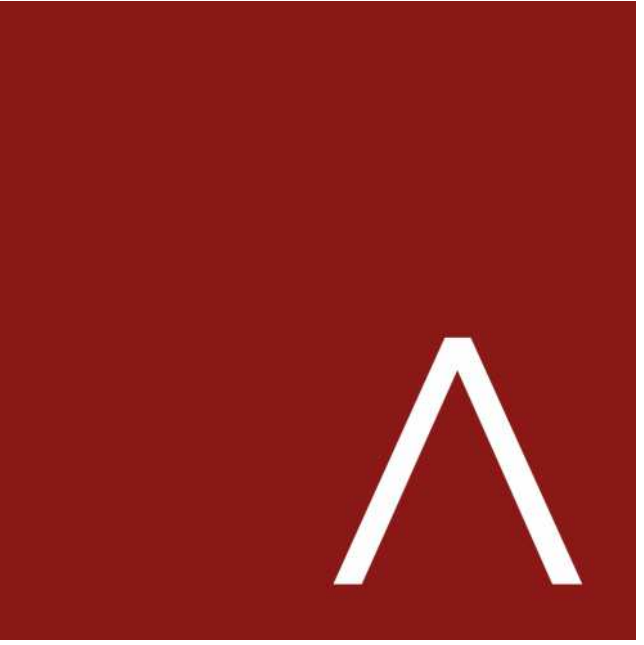
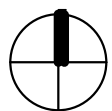
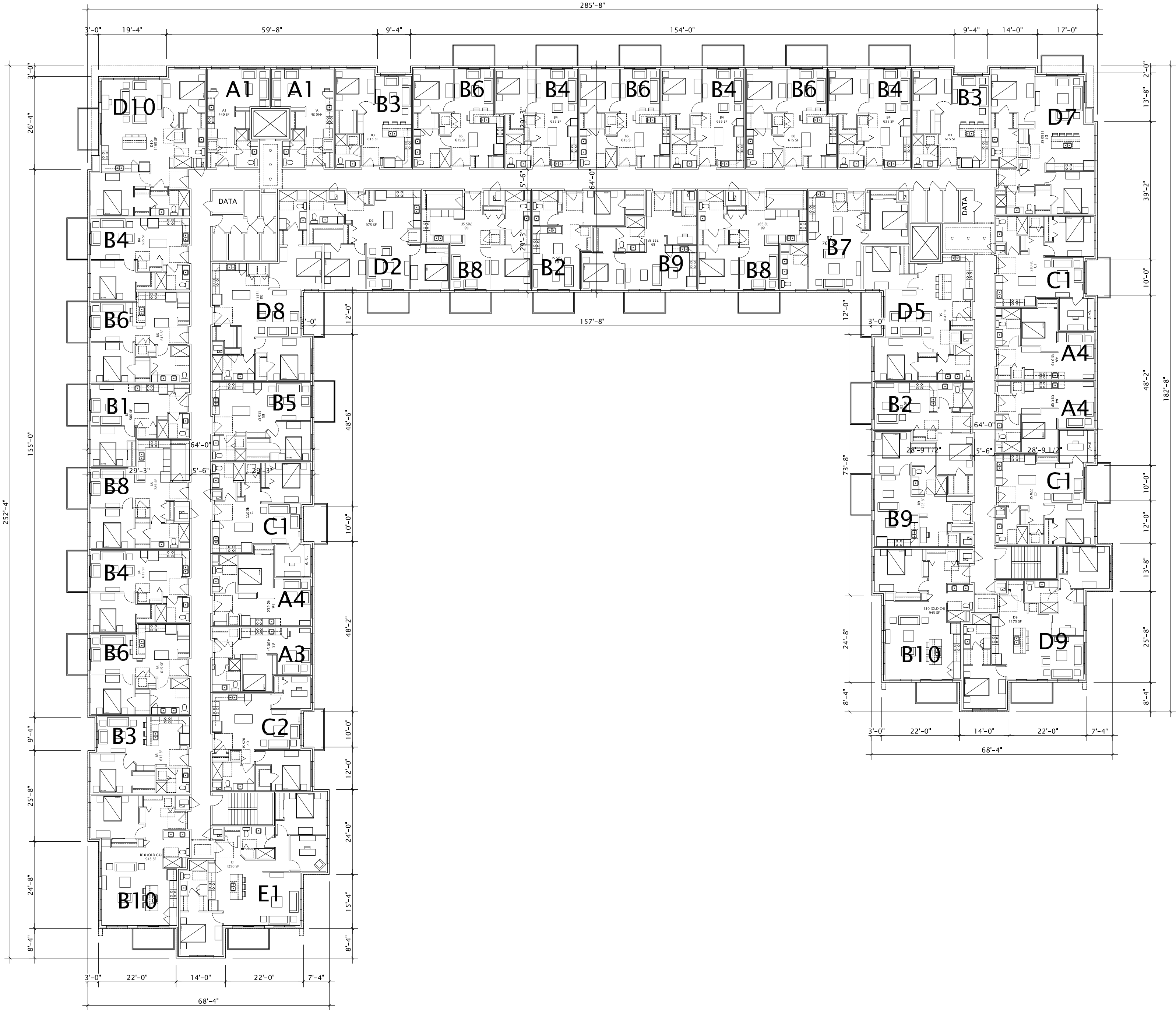
THIRD FLOOR PLAN

SHEET NUMBER _____

A103



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REVISION SCHEDULE		
Mark	Description	Date

SHEET TITLE

FOURTH FLOOR PLAN

SHEET NUMBER

A104

APPENDIX 'F'

SPECIFIC IMPLEMENTATION PLAN ELEVATIONS & PERSPECTIVE

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7 NORTH ELEVATION
1/16" = 1'-0"



12 EAST ELEVATION
1/16" = 1'-0"



17 EAST COURTYARD ELEVATION
1/16" = 1'-0"



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REVISION SCHEDULE		
Mark	Description	Date

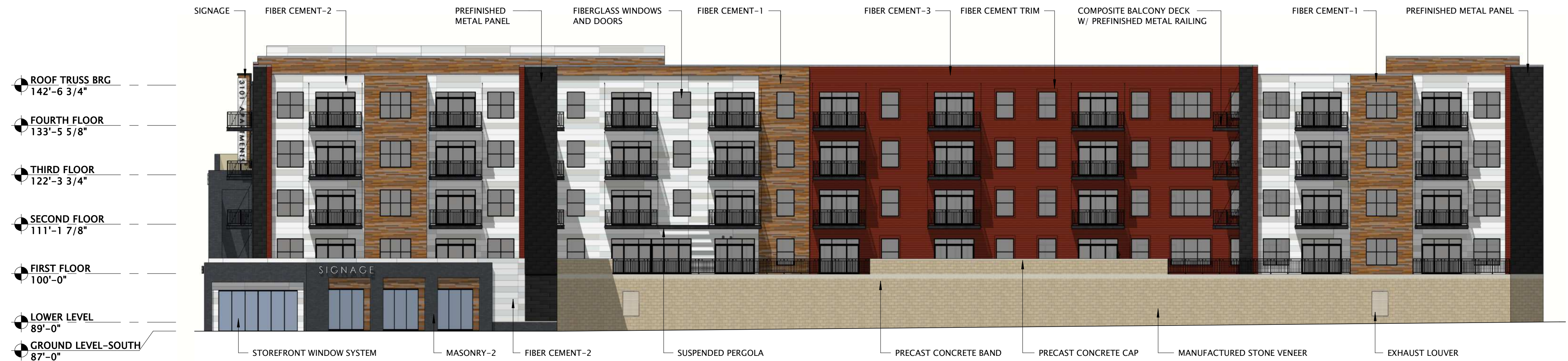
SHEET TITLE

EXTERIOR
ELEVATIONS

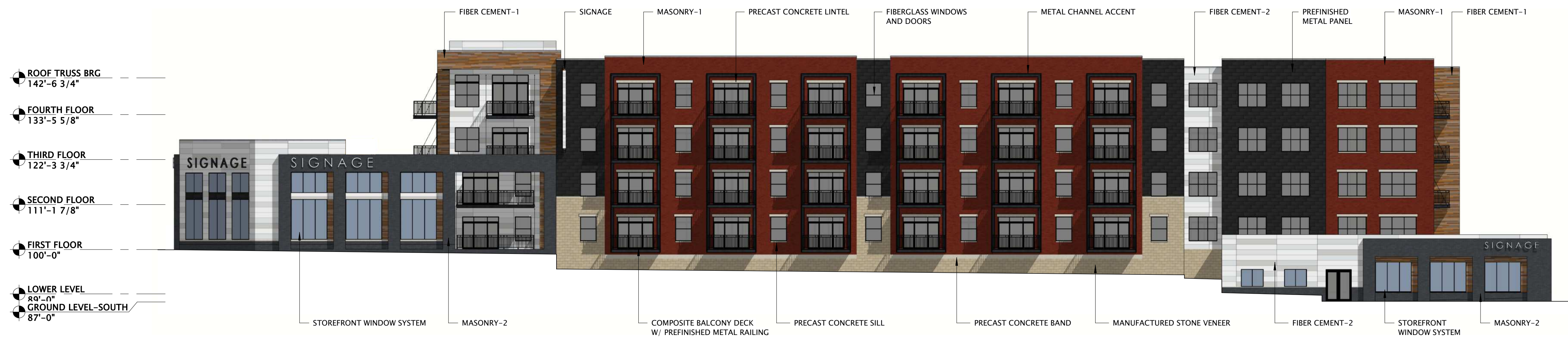
SHEET NUMBER

A200

1/21/2020 10:37:44 AM



7 SOUTH ELEVATION
1/16" = 1'-0"



12 WEST ELEVATION
1/16" = 1'-0"



18 WEST COURTYARD ELEVATION
1/16" = 1'-0"



JLA
ARCHITECTS

MADISON : MILWAUKEE
jla-ap.com

JLA PROJECT NUMBER: 19-0903

3101 FISH HATCHERY

SIP SUBMITTAL

PROGRESS DOCUMENTS

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and should not be used for final bidding or construction-related purposes.

DATE OF ISSUANCE 01/21/2020

SHEET TITLE

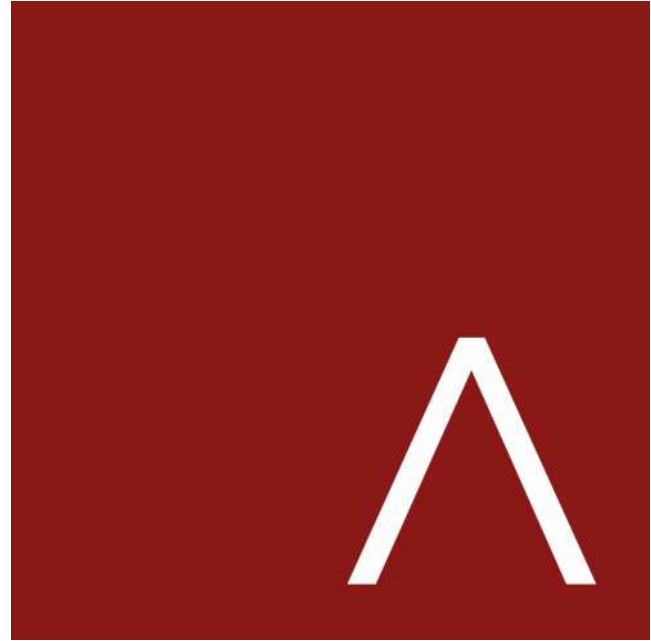
EXTERIOR
ELEVATIONS

SHEET NUMBER

A201



INTERSECTION OF TRACEWAY DR. & FISH HATCHERY RD.



JLA
ARCHITECTS

MADISON : MILWAUKEE
jla-ap.com

JLA PROJECT NUMBER: 19-0903

3101 FISH HATCHERY

SIP SUBMITTAL

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REVISION SCHEDULE		
Mark	Description	Date

SHEET TITLE

EXTERIOR IMAGES

SHEET NUMBER

A210