THE CITY OF Fitchburg City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608-270-4200)	**ARCHITECTURAL & DESIGN REVIEW APPLICATION**

Applicant/Contact Person: Andrew Weiland

Address: 123 East Grove Street **Phone Number of Contact Person:** 608-729-5958

City, State, Zip Code: Oregon, WI 53575 **Email of Contact Person:** atw@oregonsd.net

Project Address: Brassica Road **Lot:** 1 **Subdivision:** Terravessa

Project Type: _____ **Multi-Family** X **Commercial** _____ **Industrial** _____ **Other**

X **New** _____ **Addition**

Impervious Surface Ratio (ISR): 52.3 (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 drivers and walks.
- ☒ 3. Number, size, location of parking spaces.
- ☒ 4. Location of handicapped parking and accessible building entrances.
- ☒ 5. Bicycle rack(s).

Landscaping:

- [x] 1. Location, species, size of existing trees, shrubs, and plantings.
- [x] 2. Location, species, size of proposed plantings.
- [x] 3. Location and size of all paved, seeded/sodded and gravelled areas.
- [x] 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: Chris Eger **Date:** 12/11/2018
Applicant or Authorized Agent

***** 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: 12/14/2018 **Plan Commission Date:** 1/15/2018

Comments:

Pre-application ADR Review was held at Plan Commission meeting on November 20, 2018.

PERSPECTIVE LOOKING FROM EAST TO WEST FROM THE PARENT DROP OFF AT THE MUSIC CLASSROOM VOLUME

NEW BUILDING:

ELEMENTARY SCHOOL

OREGON SCHOOL DISTRICT

FITCHBURG, WI 53711

PLAN COMMISSION REVIEW

DECEMBER 11, 2018

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53082
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OVERALL PERSPECTIVE LOOKING AT THE SOUTH ELEVATION FROM THE BUS PARKING LOT

BUILDING INFORMATION

OREGON ELEMENTARY K-6 SCHOOL
PRIMARY OCCUPANCY = E
NON-SEPARATED OCCUPANCY = A-3 (CAFETERIA PER IBC 303.1.3
CONSTRUCTION TYPE = 5B STEEL SUPERSTRUCTURE WITH MASONRY AND STEEL STUD INFILL
FOUNDATION TYPE = SLAB ON GRADE W/ NO BASEMENT
NUMBER OF LEVELS = TWO STORY
ROOF TYPE = LOW SLOPE EPDM W/ POLYISO INSULATION ON STEEL DECK
FULLY SPRINKLERED BUILDING
FIRST FLOOR FOOTPRINT = 93,000 SF

DRAWING INDEX

CITY SUBMITTAL
A0.0C COVER SHEET CITY SUBMITTAL
A1.0C RENDERED SITE PLAN
A1.1C FLOOR PLANS
A2.0C EXTERIOR ELEVATIONS-CITY OF FITCHBURG
A2.1C EXTERIOR ELEVATIONS-CITY OF FITCHBURG
A3.0C 3D VIEWS
C0.0C LOT INFORMATION
C1.0C SITE DEMOLITION PLAN
C2.0C SITE LAYOUT PLAN
C3.0C GRADING PLAN
C4.0C EROSION CONTROL PLAN
C5.0C UTILITY PLAN
C6.0C WATERMAIN PROFILE
C7.0C SITE DETAILS
C7.1C SITE DETAILS
E0.0C SITE PLAN PHOTOMETRIC
L1.0C LANDSCAPE PLAN

Project Title:
NEW BUILDING:
ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3322

Issued For:
PLAN COMMISSION REVIEW
12/11/2018

Sheet Title:
COVER SHEET CITY SUBMITTAL

Sheet Number:
A0.0C

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1 SITE PLAN
A1.0C Scale: 1" = 30'-0"

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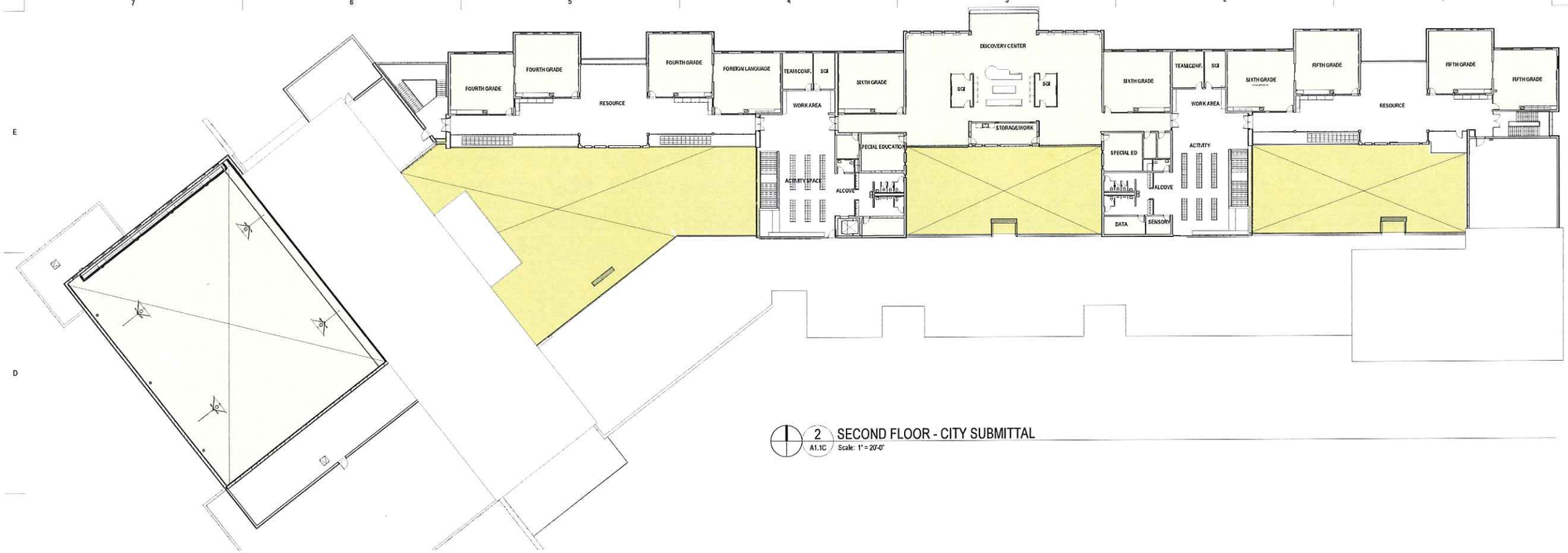
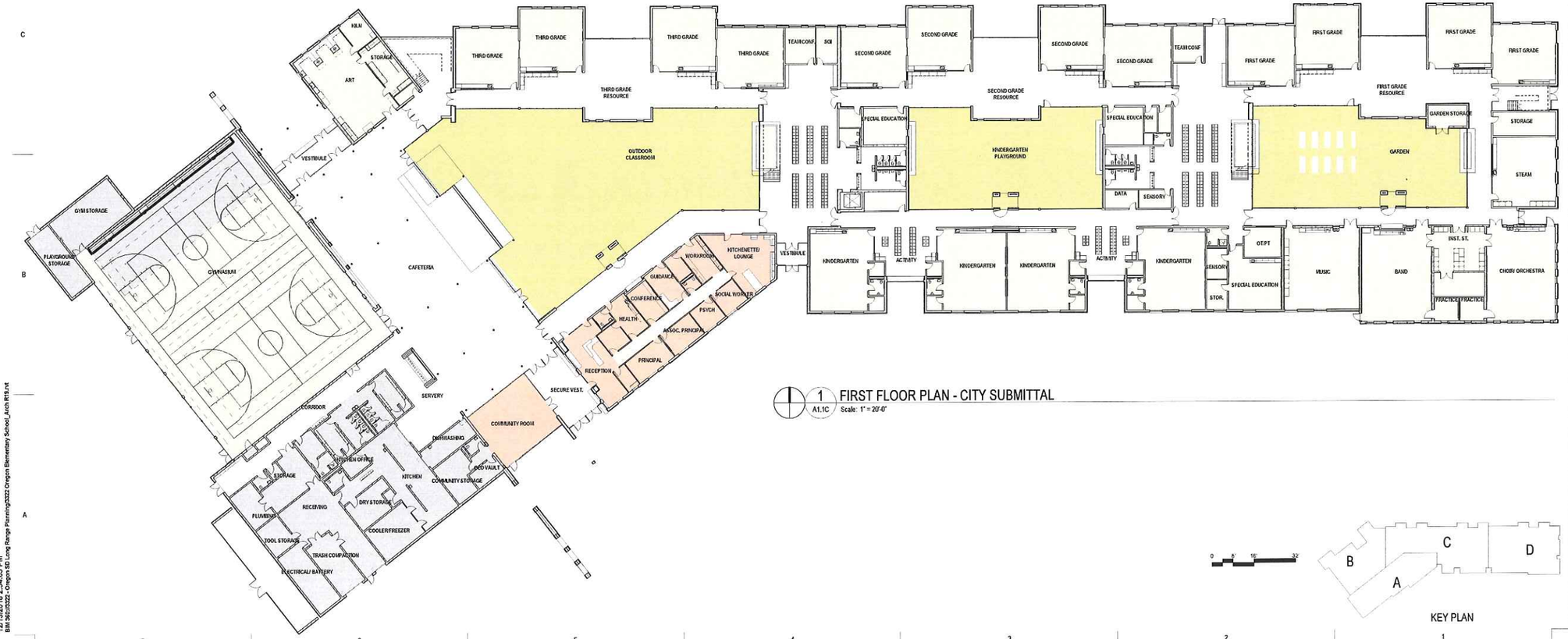
Sheet Title:
RENDERED SITE PLAN

Sheet Number:
A1.0C



2 SECOND FLOOR - CITY SUBMITTAL
A1.1C Scale: 1" = 20'-0"



1 FIRST FLOOR PLAN - CITY SUBMITTAL
A1.1C Scale: 1" = 20'-0"

0 8' 16' 32'

KEY PLAN

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Sheet Title:
FLOOR PLANS

Sheet Number:
A1.1C

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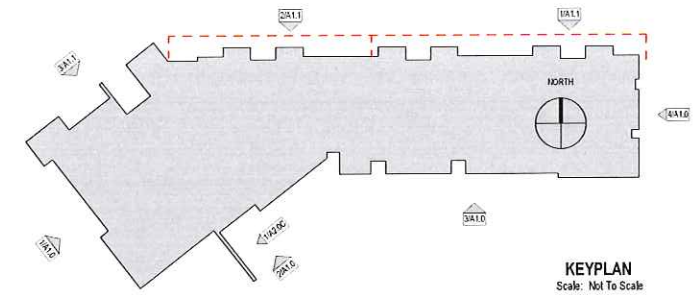
KEYNOTE LEGEND

E1	MASONRY STONE VENEER - BOARD FORMED
E2	ZINC STANDING SEAM PANEL - SIMILAR TO RHEINZINK STANDING SEAM SYSTEM
E3	ZINC PROFILE PANEL
E4	ZINC STANDING SEAM PANEL - SIMILAR TO RHEINZINK STANDING SEAM SYSTEM - COLOR 2
E5	STOREFRONT SYSTEM SIMILAR TO MANKO 2600 2" X 6" SYSTEM
E7	FIBER CEMENT RAINSCREEN SYSTEM SIMILAR TO 1/2" RIEDER OKO SKIN EXTRUDED CONCRETE SLATS MULTI-TEXTURE (FE/FLMAT)
E8	FIBER CEMENT ACCENT PANEL - SIMILAR TO SWISS PEARL - REFLEX - LARGO OR AUTUMN LEAVES
E9	TRESPA METEON FIXED VERTICAL SUNSHADE SYSTEM



KEYPLAN
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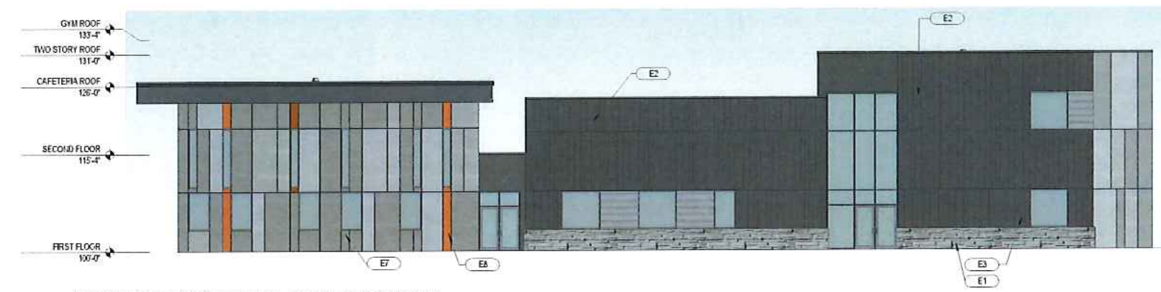
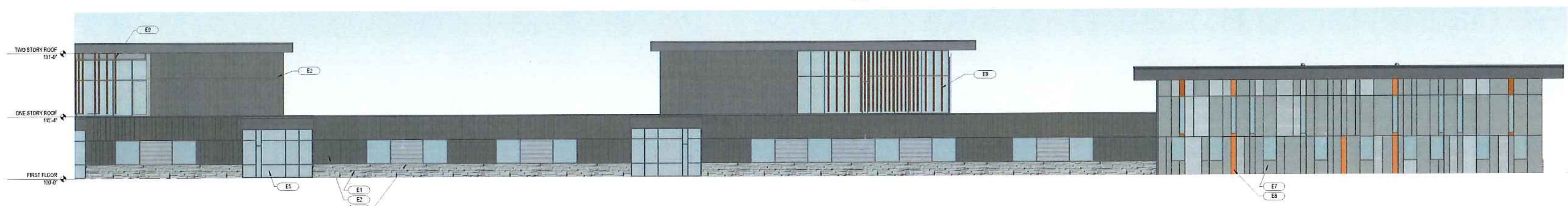


MUSIC/SCIENCE EAST _CITY SUBMITTAL
Scale:



SOUTH ELEVATION - CITY SUBMITTAL
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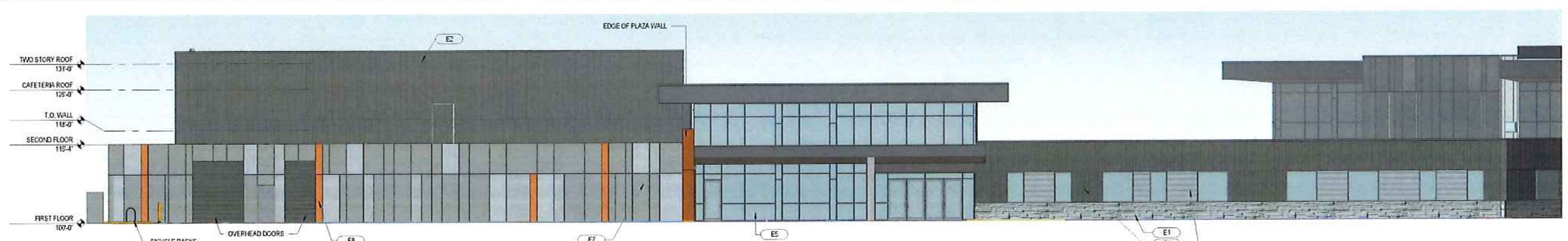

MAIN ENTRY_CITY SUBMITTAL
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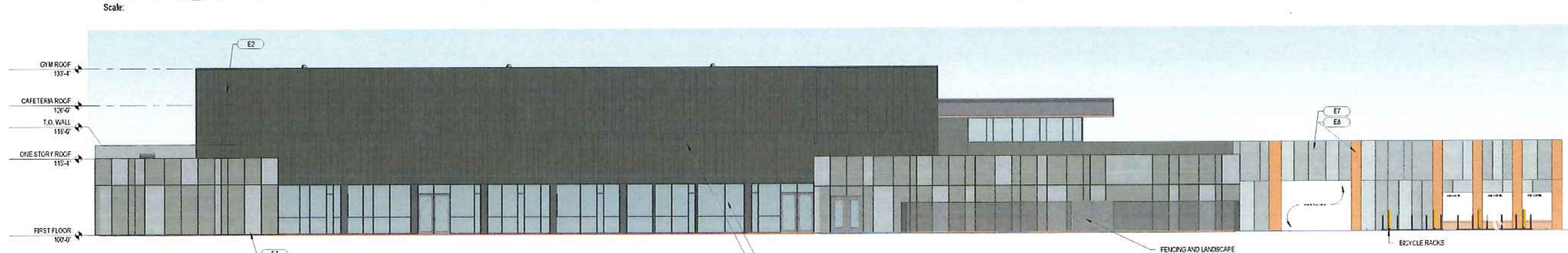

OVERALL WEST _ CITY SUBMITTAL
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OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

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Project Number:
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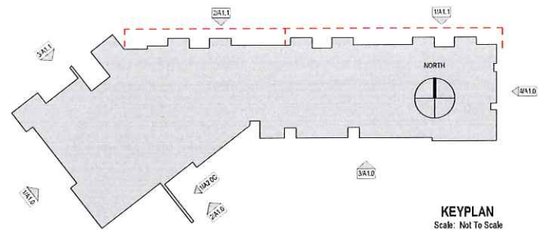
Sheet Title:
EXTERIOR ELEVATIONS-CITY OF FITCHBURG

Sheet Number:
A2.0C



KEYPLAN
Scale: Not To Scale

KEYNOTE LEGEND

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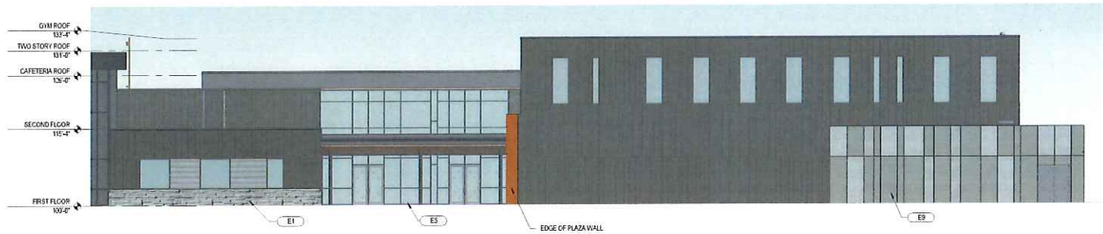
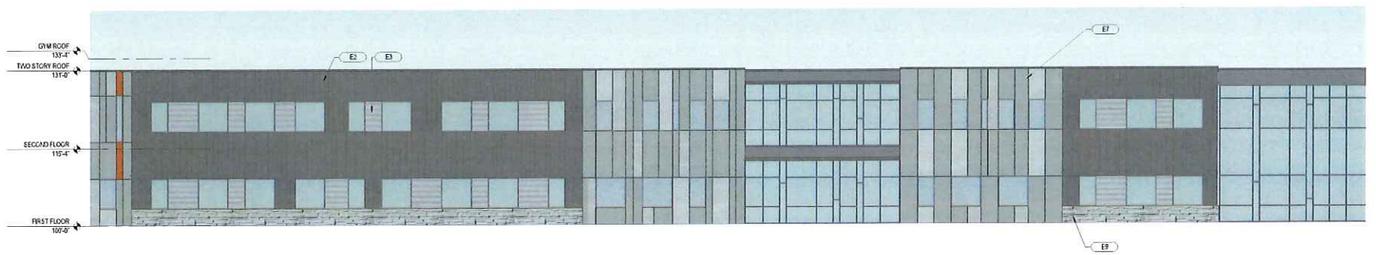
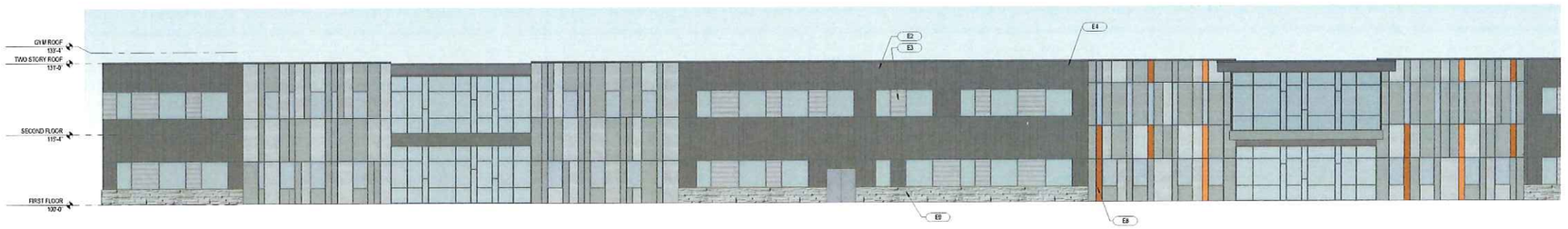


CITY SUB CAFETERIA/GYM NORTH
Scale:



NORTH CLASSROOM ELEVATION_CITY SUBMITTAL
Scale:



NORTH CLASSROOM/LIBRARY ELEVATION _CITY SUBMITTAL
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OREGON SCHOOL DISTRICT
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Project Number:
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12/17/2018

Sheet Title:
EXTERIOR ELEVATIONS-CITY OF FITCHBURG

Sheet Number:
A2.1C

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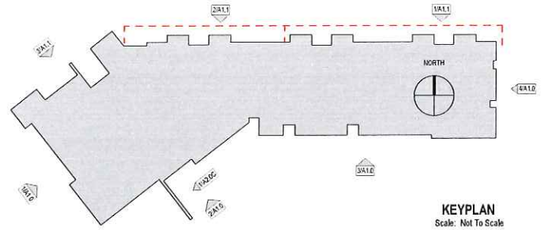
4/A2.0C - ENTRANCE PERSPECTIVE



KEYPLAN
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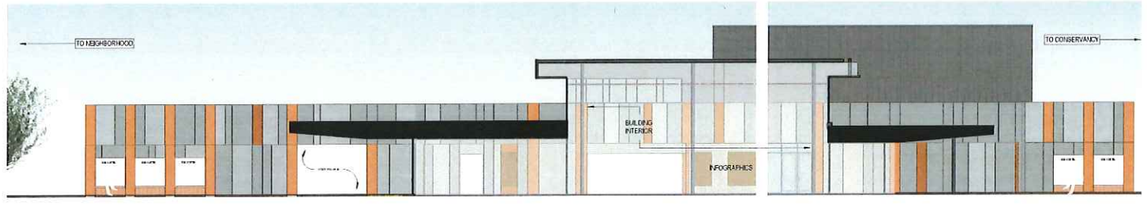
3/A2.0C - ENTRANCE PERSPECTIVE

2/A2.0C - ENTRANCE SITE



PLAZA WALL - EAST ELEVATION CITY SUBMITTAL
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12/11/2018

Sheet Title:
3D VIEWS

Sheet Number:
A3.0C

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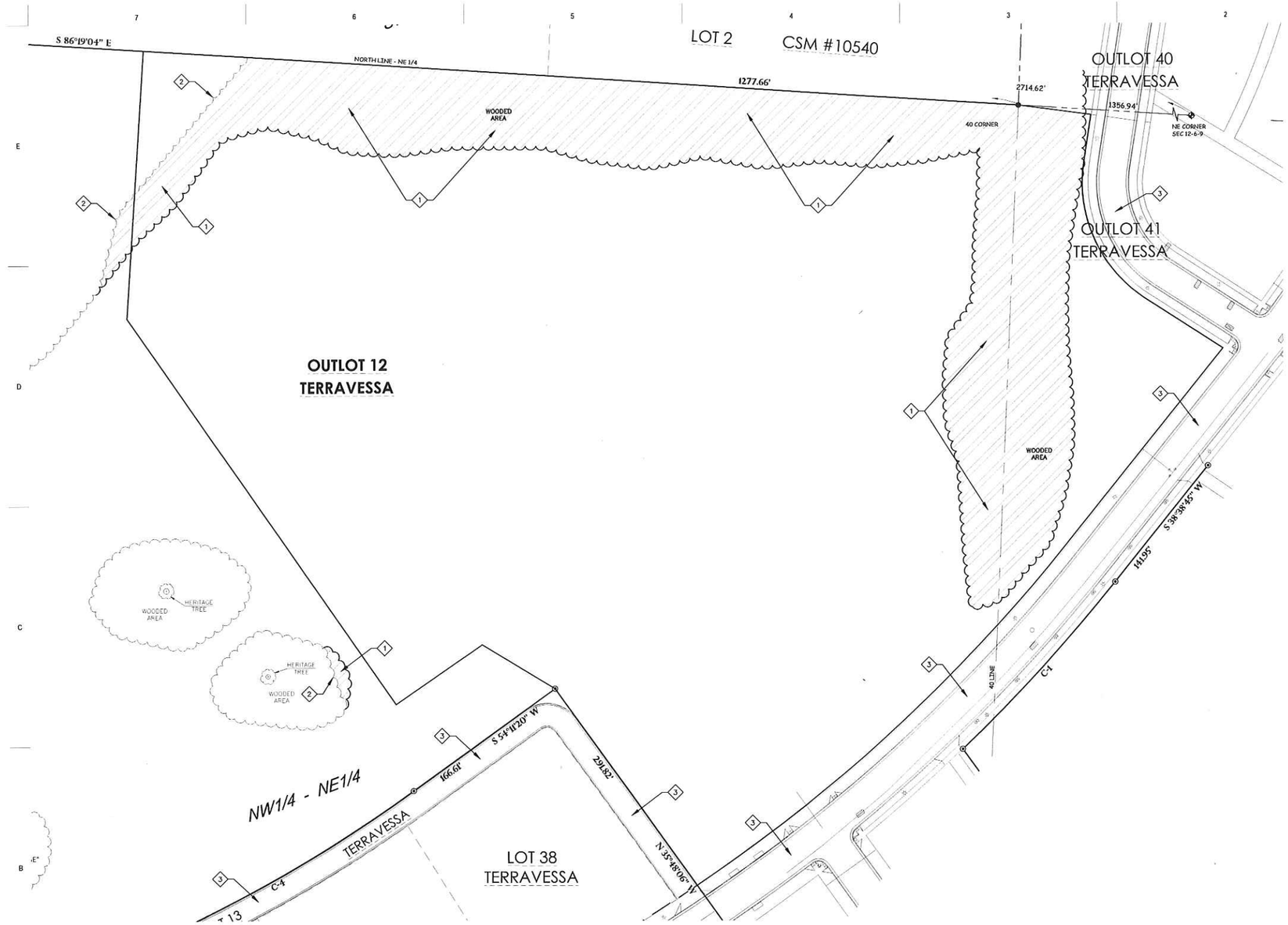

SURVEY LEGEND

These standard symbols will be found in the drawing.

- OVERHEAD UTILITIES
- BURIED TELEPHONE
- FIBER OPTICS
- EDGE OF BITUMINOUS
- CONTOUR LINE
- POWERPOLE
- GUY WIRE
- TELEPHONE PEDESTAL
- SIGN
- SOIL BORING
- TREE
- GRAVEL AREA
- CALCULATED CORNER (TO BE SET PER TERRAVESSA PLAT)
- 3/4" O.D. IRON BAR FOUND
- 1-1/4" O.D. IRON BAR FOUND
- RAILROAD SPIKE FOUND
- BRASS CAP MONUMENT FOUND

KEYNOTES:

1. CLEAR AND GRUB EXISTING TREES
2. PROPOSED TREELINE
3. ROADWAY TO BE BUILT BY OTHERS

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
3. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
4. ALL BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
5. COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING UTILITIES ON SITE PRIOR TO THE START OF WORK.
6. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
7. STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
8. IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
9. PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
10. MAINTAIN TRAFFIC CIRCULATION TO ALL RETAIL AND COMMERCIAL BUILDINGS SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH SAID BUSINESSES.

DEMOLITION HATCH PATTERNS:

CLEAR AND GRUB EXISTING WOODED AREA

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM

BENCHMARK #1
6INX 16'WIC W POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. 'VW' AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 940.78

BENCHMARK #2
8X24 SPIKE W/ POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. 'VW' AND BEING APPROXIMATELY 300 SOUTH OF BENCHMARK #1
ELEVATION = 913.64

DESCRIPTION

BEING PART OF OUTLOT 12 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

SUBJECT TO OF ANY COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD.

0' 40' 80' 120'
Scale 1"=40'

N

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Civil Engineering
Land Surveying
Landscape Architecture
5709 Windy Drive, Suite D
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715.394.9999(ph) 715.394.9922(fx)

POB Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

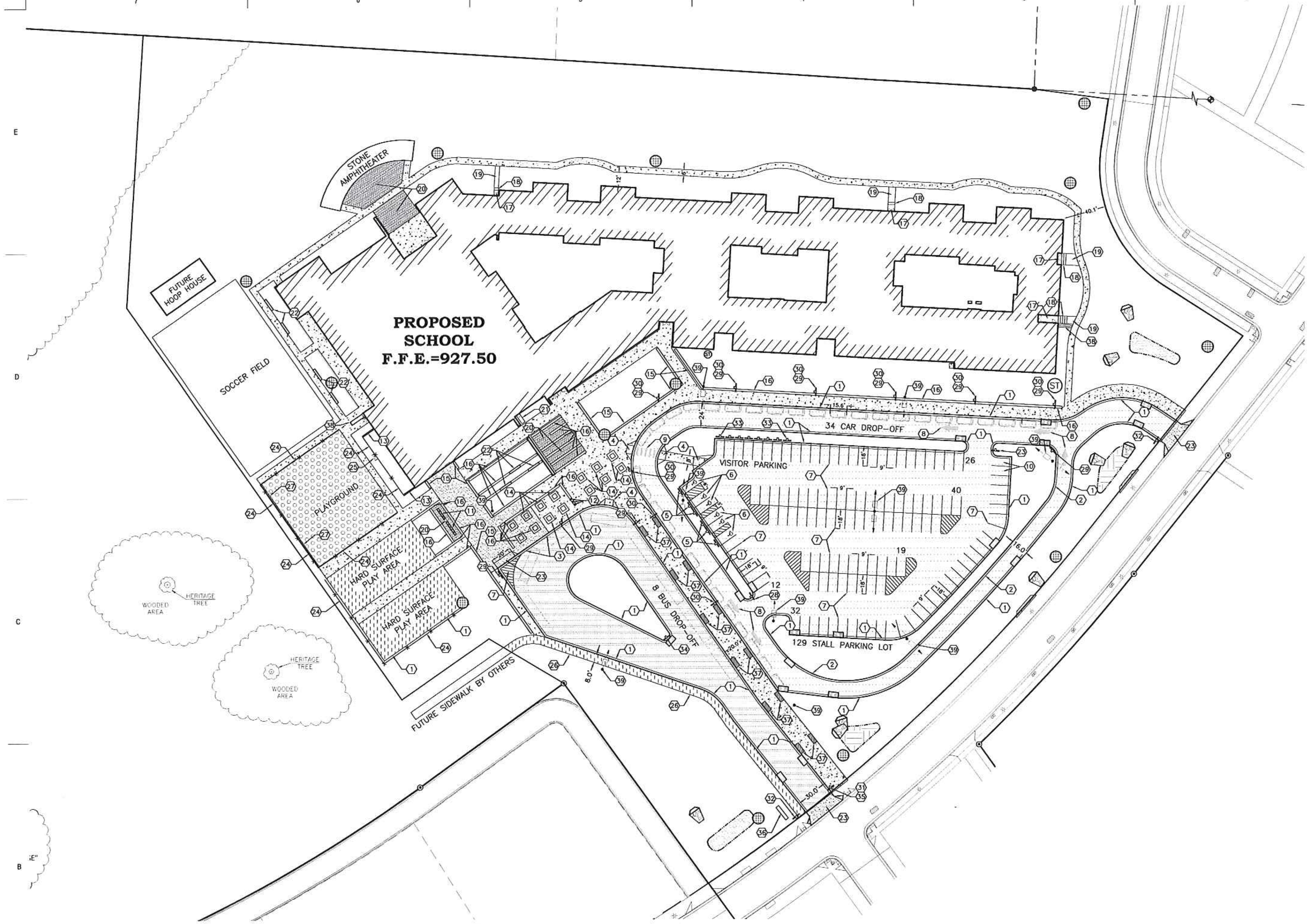
NOT FOR CONSTRUCTION

Project Number: 3322

Issued For: CITY SUBMITTAL 12/17/2018

Sheet Title: DEMOLITION PLAN

Sheet Number: C1.0



KEYNOTES:

1. 24" CONCRETE CURB & GUTTER (STANDARD) — 1/C7.0
2. 24" CONCRETE CURB & GUTTER (REJECT) — 1/C7.0
3. 6" MOUNTABLE CURB & GUTTER — 2/C7.0
4. HANDICAP RAMP — X/C7.0
5. HANDICAP PARKING SIGN — 5/C7.0
6. HANDICAP PARKING STALL — 10/C7.0
7. PARKING LOT STRIPING — 10/C7.0
8. DIRECTIONAL ARROW — 11/C7.0
9. STRIPED CROSSWALK — 13/C7.0
10. ELECTRIC VEHICLE PARKING STALL (SEE ELECTRICAL SITE PLAN)
11. DERO CYCLE STALL HOOP RACK STYLE ON FREESTANDING RAIL
12. 20' FLAG POLE — 4/C7.0
13. 6'-0" WALL BY BUILDING CONTRACTOR (SEE ARCHITECTURAL PLANS)
14. BOARD-FORMED CONCRETE PLANTER BOX 3'-0" TALL; 1'-0" WIDE (SEE ARCHITECTURAL PLANS)
15. BOARD-FORMED CONCRETE SEAT WALL 1'-6" TALL; 2'-0" WIDE (SEE ARCHITECTURAL PLANS)
16. 2' WIDE FLUSH COLORED CONCRETE STRIP COLOR-2 (TBD) VERIFY WITH OWNER/BRAY — 7/C7.0
17. CONCRETE STOOP (BY BUILDING CONTRACTOR)
18. LIMESTONE BRICK STEP
19. DECOMPOSED GRANITE SIDEWALK (SEE LANDSCAPE PLAN)
20. GRANITE PERMEABLE PAVER SYSTEM TYPE/COLOR TO MATCH DECOMPOSED GRANITE — 8/C7.0
21. WOOD PLANK BRIDGE
22. 2'x2'x12' WHOLE TREE BENCH
23. COMMERCIAL DRIVEWAY CONCRETE APRON — 15/C7.0
24. 6' TALL CHAIN LINK FENCE — 12/C7.0
25. 6' TALL MAN GATE CHAIN LINK FENCE — 12/C7.0
26. 8.0' WIDE ASPHALT BICYCLE PATH — 6/C7.0
27. 12"x12" CONCRETE PLAYGROUND CURB — 3/C7.0
28. LEFT TURN ONLY SIGN — 14/C7.0
29. NO PARKING FIRE LANE SIGN CURB ALONG FIRE LANE SHALL BE PAINTED YELLOW — 14,16/C7.0
30. DROP OFF ONLY SIGN — 14/C7.0
31. BUSES ONLY SIGN — 14/C7.0
32. STOP SIGN — 14/C7.0
33. VISITOR PARKING SIGN — 14/C7.0
34. KEEP RIGHT, START ONE WAY SIGN — 14/C7.0
35. DO NOT ENTER SIGN — 14/C7.0
36. MONUMENT SIGN (SEE ARCHITECTURAL PLANS)
37. TREE GRATE (SEE LANDSCAPE PLAN)
38. PLANTER BOX (SEE ARCHITECTURAL PLANS)
39. LIGHTPOLE (SEE ELECTRICAL SITE PLAN)

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ALL REQUIRED EROSION CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
4. SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
6. VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
7. ALL BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
8. PRIOR TO THE START OF WORK VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
9. COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
10. PROVIDE PROPER BARRICADES, SIGNS AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
11. SIDEWALK JOINTS TO BE AS INDICATED OR AS APPROVED BY CONSTRUCTION MANAGER.
12. ALL SAWCUTS SHALL BE AT AN EXISTING JOINT IN THE CURB AND PAVEMENT.
13. ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED/FERTILIZED/CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

IMPERVIOUS SURFACE RATIO

TOTAL LOT AREA = 12.08 ACRES	
IMPERVIOUS AREA	GREENSPACE AREA
6.32 ACRES (52.3% OF SITE)	5.76 ACRES (47.7% OF SITE)

PAVEMENT HATCH PATTERNS:

Pavement	Detail
4" ASPHALTIC CONCRETE PAVEMENT 9" DENSE GRADED BASE	6/C6.0
3.5" ASPHALTIC CONCRETE PAVEMENT 9" DENSE GRADED BASE	6/C6.0
3.0" ASPHALTIC CONCRETE PAVEMENT 9" DENSE GRADED BASE	6/C6.0
4" CONCRETE PAVEMENT (SIDEWALK) 6" BASE COURSE COLOR-1 (TBD)	7/C6.0
7" CONCRETE PAVEMENT (DRIVEWAY APRON) 10" BASE COURSE COLOR-1 (TBD)	7/C6.0
3.5" POURED RUBBER PLAY SURFACE 6" COMPACTED STONE BASE	3/C6.0
GRANITE PERMEABLE PAVER SYSTEM COLOR TO MATCH DECOMPOSED GRANITE	8/C6.0

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM

BENCHMARK #1
EDJ SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 940.76

BENCHMARK #2
EDJ SPIKE IN POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 500 SOUTH OF BENCHMARK #1
ELEVATION = 913.64

DESCRIPTION

BEING PART OF OUTLOT 12 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

SUBJECT TO (IF ANY) COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD.

0' 40' 80' 120'
Scale 1"=40'
N

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POB Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

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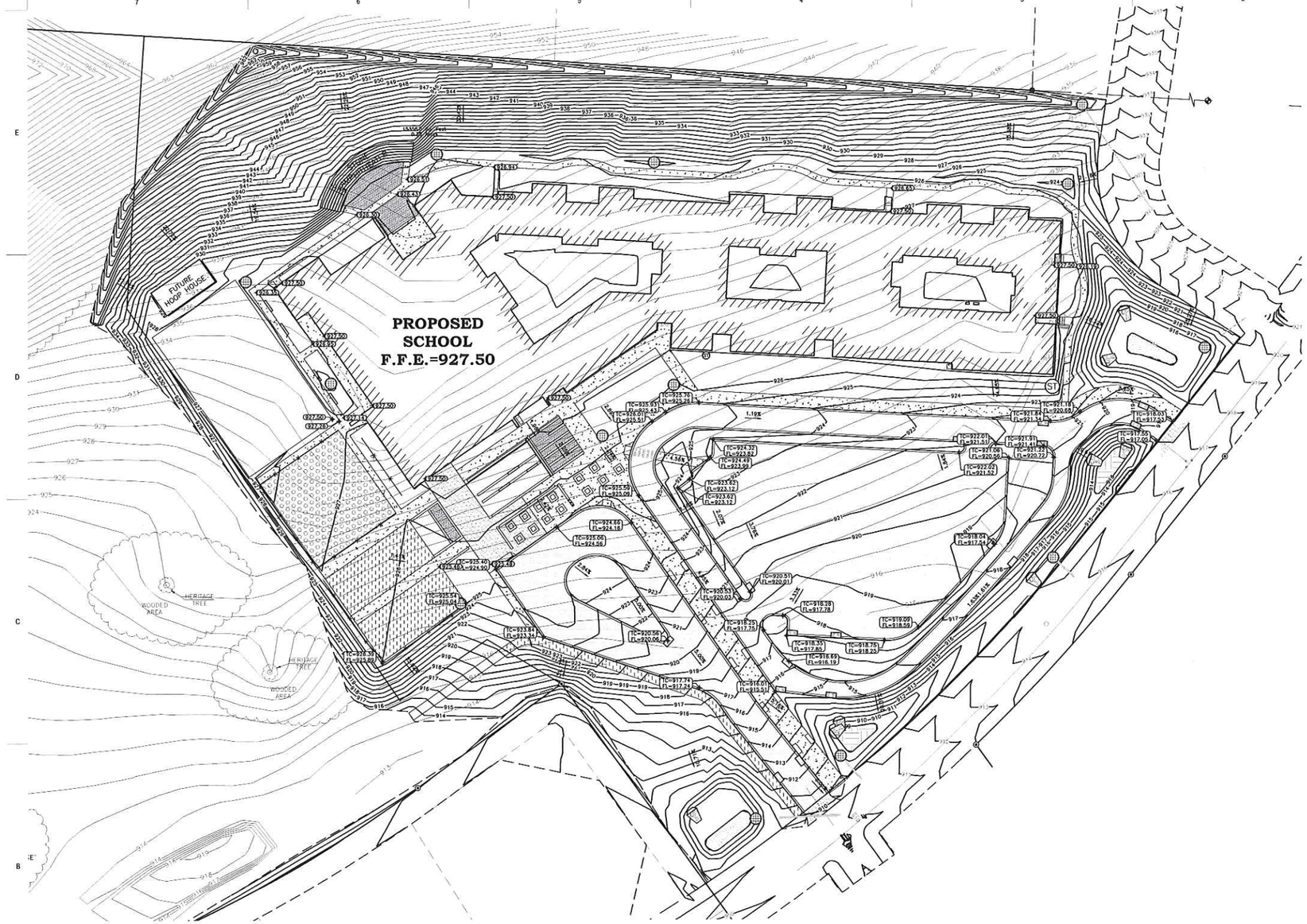

GRADING LEGEND:

- EXISTING CONTOUR — 712
- PROPOSED CONTOUR — 712
- PROPOSED SPOT ELEVATION — SE=892.76
- PROPOSED ENDWALL INVERT ELEVATION — INV=892.05
- PROPOSED RIM ELEVATION — RIM=893.56
- PROPOSED TOP OF CURB ELEVATION — TC=893.56
- PROPOSED FLOW LINE ELEVATION — FL=893.56
- PROPOSED TOP OF SIDEWALK ELEVATION — TS=893.56
- PROPOSED TOP OF WALL ELEVATION — TW=893.56
- PROPOSED BOTTOM OF WALL ELEVATION — BW=893.56
- PROPOSED MATCH ELEVATION (CONTRACTOR TO VERIFY) — ME=892.05M
- PROPOSED ENDWALL STRUCTURE WITH RIP RAP — 6 / C7.1
- PROPOSED STORM SEWER MANHOLE — 10 / C7.1
- PROPOSED STORM INLET — 10 / C7.1
- PROPOSED CURB STORM INLET — 5 / C7.1
- PROPOSED BIO-INFILTRATION BASIN — 13,14 / C7.1
- PROPOSED INFILTRATION BASIN — 17 / C7.0

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. THE PROPOSED SITE PLAN FINISH FLOOR ELEVATION OF 927.50 EQUALS THE PROPOSED BUILDING ARCHITECTURAL FINISH FLOOR ELEVATION OF 100.00'.
3. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
4. INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES IN ACCORDANCE WITH LOCAL AUTHORITIES AND THE DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
5. 6" OF TOPSOIL SHALL BE PROVIDED IN ALL GENERAL LAWN AREAS AND 12" SHALL BE PROVIDED IN ALL PLANTING BED AREAS.
6. SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
7. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
8. COORDINATE ALL EARTHWORK ACTIVITIES WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
9. PROVIDE RIP RAP AT PROPOSED CULVERT ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
10. RIP RAP SHALL HAVE WisDOT TYPE HR FILTER FABRIC PLACED BENEATH.
11. EXCESS TOPSOIL SHALL BE REMOVED FROM SITE, UNLESS OTHERWISE DIRECTED BY THE OWNER. COORDINATE WITH OWNER FOR LOCATION OF STOCKPILE IF THE OWNER CHOOSES TO SALVAGE EXCESS TOPSOIL FOR FUTURE USE. SILT FENCE SHALL BE PLACED AROUND STOCKPILE.
12. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
13. TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
14. THE LOCAL MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE LOCAL MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
15. GRADES AT BUILDING EDGE SHALL BE 6" BELOW FINISHED FLOOR ELEVATION EXCEPT AT DOOR WAY ENTRANCES OR UNLESS OTHERWISE NOTED.

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM.

BENCHMARK #1
60d SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 940.78

BENCHMARK #2
60d SPIKE IN POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 500 SOUTH OF BENCHMARK #1.
ELEVATION = 913.64

DESCRIPTION

BEING PART OF OUTLOT 12 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 5 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

SUBJECT TO (IF ANY) COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD

0' 40' 80' 120'
Scale 1"=40'

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POB Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

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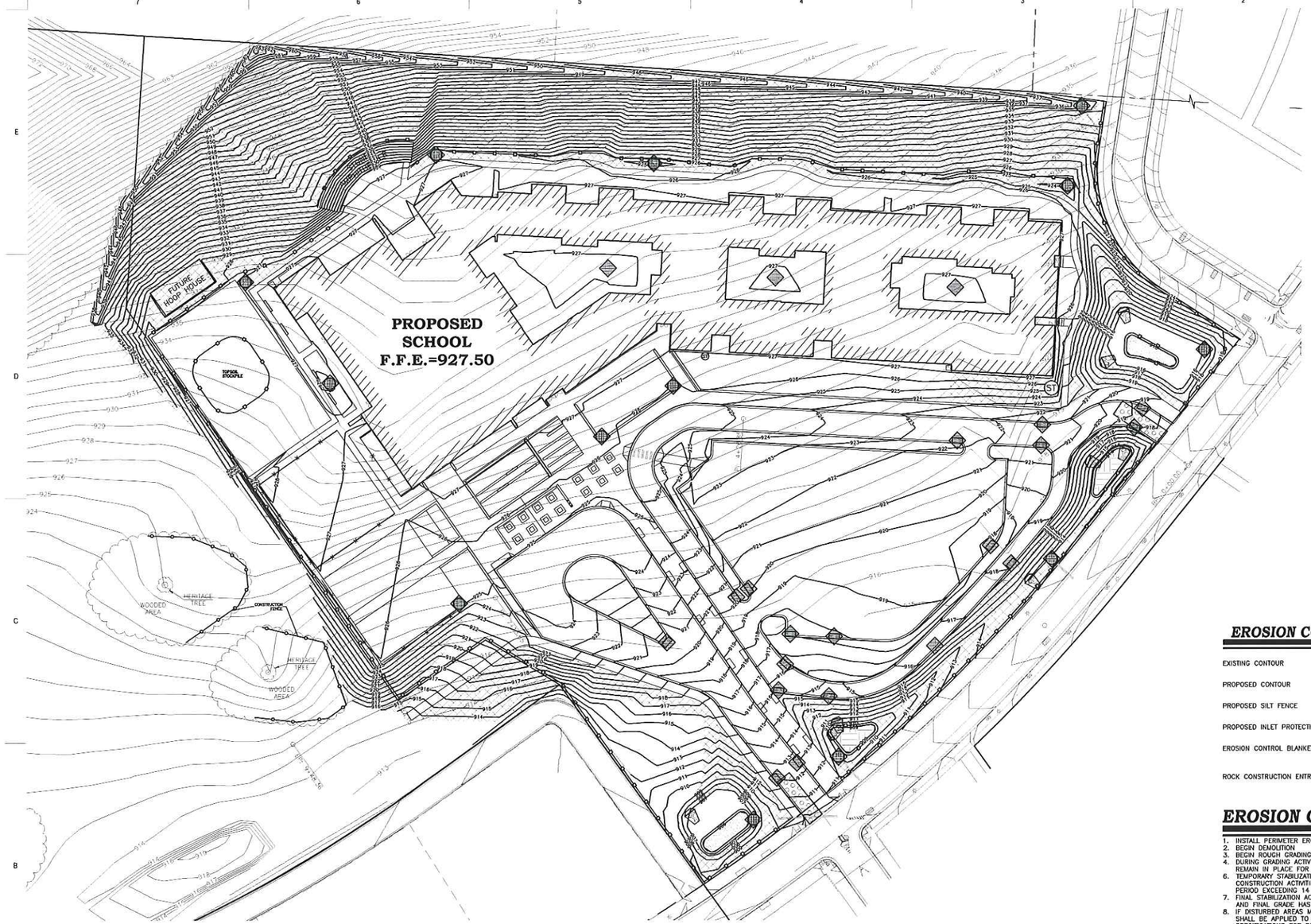

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. NOTIFY THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO THE START OF SOIL DISTURBING ACTIVITIES.
3. INSTALL ALL TEMPORARY EROSION CONTROL ELEMENTS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
4. ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE AS TO MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ANY ONE TIME. MAINTAIN EXISTING VEGETATION AS LONG AS POSSIBLE.
5. ROCK CONSTRUCTION ENTRANCE FOR SEDIMENT TRACKING UTILIZING 3" CRUSHED ROCK SHALL BE MAINTAINED AT ALL CONSTRUCTION ENTRANCES TO THE SITE. THE ROCK DRIVE SHALL BE A MINIMUM OF 12" THICK AND BE A MINIMUM OF 50 FEET IN LENGTH BY THE WIDTH OF THE DRIVEWAY.
6. OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OFF SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES, INCLUDING SOIL TRACKED BY CONSTRUCTION TRAFFIC, SHALL AT A MINIMUM BE CLEANED BY THE END OF EACH WORK DAY. EXCESSIVE AMOUNTS OF SEDIMENT OR OTHER DEBRIS TRACKED ONTO ADJACENT STREETS SHALL BE CLEANED IMMEDIATELY. FINE SEDIMENT ACCUMULATIONS SHALL BE CLEANED FROM ADJACENT STREETS BY THE USE OF MECHANICAL OR MANUAL SWEEPING OPERATIONS ONCE A WEEK AT A MINIMUM AND BEFORE IMMINENT RAIN EVENTS.
7. DISTURBED GROUND OUTSIDE OF THE EVERYDAY CONSTRUCTION AREAS, INCLUDING SOIL STOCKPILES, THAT IS LEFT INACTIVE FOR MORE THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED BY SEEDING/MULCHING OR OTHER APPROVED METHODS.
8. WASTE MATERIAL THAT IS GENERATED ON THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO RUN INTO RECEIVING WATERS.
9. EROSION CONTROL DEVICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE END OF EACH WORK DAY.
10. INSPECT ALL EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND AFTER ANY RAINFALL OF 0.5" OR MORE. MAKE NEEDED REPAIRS AND DOCUMENT ALL ACTIVITIES AS PER THE REQUIREMENTS OF THE NOTICE OF INTENT SUBMITTED BY THE PROJECT CIVIL ENGINEER.
11. ALL TEMPORARY EROSION CONTROL ELEMENTS SHALL REMAIN IN PLACE UNTIL A SUFFICIENT GROWTH OF VEGETATION IS ESTABLISHED AND THEN BE REMOVED AS PART OF THE BASE BID.
12. IF SEDIMENT LADEN WATER NEEDS TO BE REMOVED FROM THE SITE, FILTER BAGS OR SCREENING SHALL BE USED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 TO PREVENT SEDIMENT DISCHARGE TO THE MAXIMUM EXTENT PRACTICABLE.
13. PROVIDE RIP RAP AT PROPOSED CULVERT ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
14. RIP RAP SHALL HAVE WisDOT TYPE HR FILTER FABRIC PLACED BENEATH.
15. IF BARE SOIL IS EXPOSED DURING THE WINTER MONTHS, STABILIZATION BY MULCHING OR ANIONIC POLYACRYLAMIDE SHALL OCCUR PRIOR TO SNOW OR FROZEN GROUND.
16. SILT FENCE SHALL BE INSTALLED AROUND THE TOPSOIL STOCKPILE.
17. SILT FENCE SHALL BE INSTALLED AROUND THE BIORETENTION AREA IMMEDIATELY FOLLOWING INSTALLATION OF THE ENGINEERED SOIL TO PROTECT IT FROM SILT CONTAMINATION.
18. THE ENGINEERED SOIL SHALL NOT BE PLACED IN THE BIORETENTION AREAS UNTIL THE SURROUNDING DRAINAGE AREA HAS BEEN FULLY STABILIZED. ALL CONSTRUCTION SITE SEDIMENT SHALL BE REMOVED FROM THE SUBGRADE OF THE BIORETENTION AREA PRIOR TO PLACEMENT OF THE ENGINEERED SOIL.
19. THE CONTRACTOR SHALL PERFORM INSPECTIONS AND MONITORING OF EROSION CONTROL PRACTICES IN ACCORDANCE WITH THE WI DNR "CONSTRUCTION SITE INSPECTION REPORT" FORM 3400-187. THIS FORM CAN BE FOUND IN THE CONSTRUCTION SPECIFICATIONS.

EROSION CONTROL LEGEND:

EXISTING CONTOUR	888
PROPOSED CONTOUR	888
PROPOSED SILT FENCE	2 / C7.1
PROPOSED INLET PROTECTION	4 / C7.1
EROSION CONTROL BLANKET	3 / C7.1
ROCK CONSTRUCTION ENTRANCE	1 / C7.1

EROSION CONTROL SEQUENCING

1. INSTALL PERIMETER EROSION CONTROL.
2. BEGIN DEMOLITION
3. BEGIN ROUGH GRADING AND UTILITY INSTALLATION
4. DURING GRADING ACTIVITIES EXISTING GRASS AND VEGETATION, TO BE REMOVED, SHALL REMAIN IN PLACE FOR AS LONG AS POSSIBLE, TO AVOID SEDIMENT TRANSPORT.
6. TEMPORARY STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
7. FINAL STABILIZATION ACTIVITY SHALL COMMENCE WHEN LAND DISTURBING ACTIVITIES CEASE AND FINAL GRADE HAS BEEN REACHED ON ANY PORTION OF THE SITE.
8. IF DISTURBED AREAS MUST BE LEFT OVER WINTER, MULCH OR ANIONIC POLYACRYLAMIDE SHALL BE APPLIED TO ALL DISTURBED AREAS PRIOR TO GROUND FREEZE. SEE SPECIFICATIONS FOR DETAILS.

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM

BENCHMARK #1
BOX SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. "PW" AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 910.78

BENCHMARK #2
BOX SPIKE IN POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. "PW" AND BEING APPROXIMATELY 500 SOUTH OF BENCHMARK #1
ELEVATION = 915.64

DESCRIPTION

BEING PART OF OUTLOT 13 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

SUBJECT TO ANY AND ALL COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD.

0' 40' 80' 120'
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POB
Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

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EROSION CONTROL PLAN

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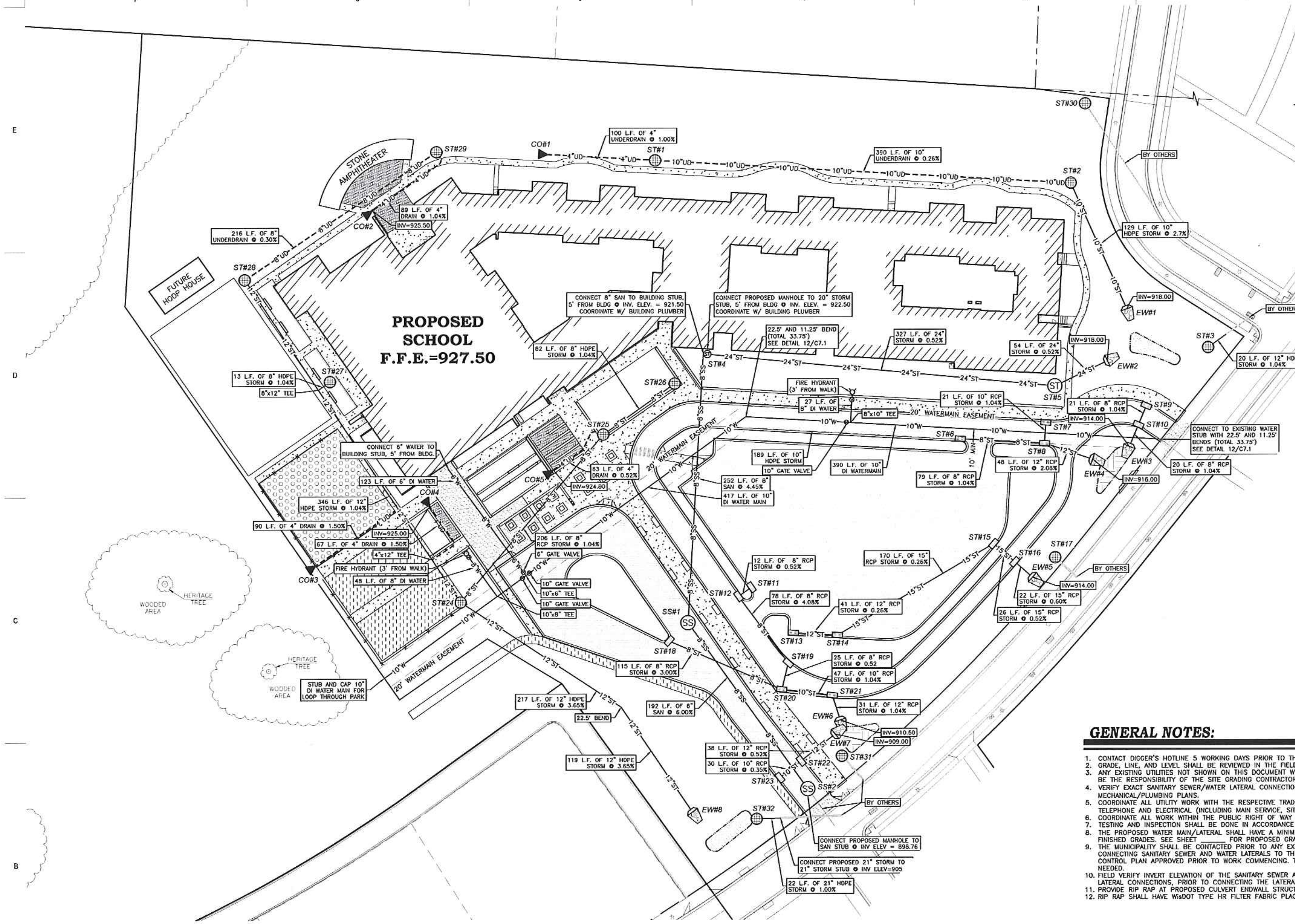

UTILITY LEGEND:

Item	Symbol / Detail
PROPOSED STORM SEWER	X"ST
PROPOSED SANITARY SEWER	X"SS
PROPOSED WATER MAIN	X"W
PROPOSED STORM UNDERDRAIN	X"UD
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	6 / C6.1
PROPOSED STORM SEWER MANHOLE	10 / C7.1
PROPOSED SANITARY SEWER MANHOLE	8 / C7.1
PROPOSED STORM SEWER CLEANOUT	7 / C7.1
PROPOSED FIRE HYDRANT ASSEMBLY	11,12 / C7.1
PROPOSED 8" WATER MAIN VALVE	11 / C7.1
STORM CATCH BASIN INLET	10 / C7.1
STORM CURB INLET	5 / C7.1
BIO-RETENTION BASIN	13,14 / C7.1
INFILTRATION BASIN	17 / C7.0

SANITARY MANHOLE SCHEDULE:

SS#1
RIM 921.25
INV. N 910.28
INV. SE 910.28
DEPTH 10.97
48" I.D. PRECAST MANHOLE W/ NEENAH R-1510-A CASTING SOLID COVER

SS#1
RIM 911.40
INV. NW 898.76
INV. SE 898.76
DEPTH 12.64
48" I.D. PRECAST MANHOLE W/ NEENAH R-1510-A CASTING SOLID COVER

CLEAN OUT SCHEDULE:

	RIM	INV.*
CO#1	725.80	723.47
CO#2	927.00	925.50
CO#3	927.00	925.50
CO#4	926.60	925.00
CO#5	926.20	924.80

* NOTE: INVERT ELEVATION SHOWN AT 90° BEND/VERTICAL RISER

GENERAL NOTES:

1. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
2. GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
3. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
4. VERIFY EXACT SANITARY SEWER/WATER LATERAL CONNECTION LOCATIONS AND SIZES WITH THE BUILDING MECHANICAL/PLUMBING PLANS.
5. COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
6. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
7. TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
8. THE PROPOSED WATER MAIN/LATERAL SHALL HAVE A MINIMUM COVER OF 7'-6" FROM TOP OF PIPE TO PROPOSED FINISHED GRADES. SEE SHEET ______ FOR PROPOSED GRADES.
9. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS. THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE MUNICIPALITY SHALL OPERATE EXISTING WATER VALVES, IF NEEDED.
10. FIELD VERIFY INVERT ELEVATION OF THE SANITARY SEWER AND WATER PUBLIC MAIN AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE PUBLIC MAIN.
11. PROVIDE RIP RAP AT PROPOSED CULVERT ENDWALL STRUCTURES TO PREVENT WASHOUT AND EROSION.
12. RIP RAP SHALL HAVE WisDOT TYPE HR FILTER FABRIC PLACED BENEATH.

STORM MANHOLE SCHEDULE:

Structure	Elevations	Depth	Description
ST#1	RIM 924.80; INV. W 922.47; INV. E 922.47; SUMP 921.64	3.16	30" NYLOPLAST CATCH BASIN 30" H-20 PEDESTRIAN GRATE
ST#2	RIM 923.89; INV. W 921.46; INV. SE 921.46; SUMP 920.62	3.27	30" NYLOPLAST CATCH BASIN 30" H-20 PEDESTRIAN GRATE
ST#3	RIM 915.50; INV. NE TBD	TBD	36" I.D. PRECAST MANHOLE NEENAH R-2560-EA CASTING BEEHIVE GRATE
ST#4	RIM 926.85; INV. E 919.98; INV. N 921.50	6.87	48" I.D. PRECAST MANHOLE NEENAH R-1555 CASTING SOLID LID
ST#5	RIM 925.50; INV. W 918.28; INV. E 918.28	7.22	48" I.D. PRECAST MANHOLE NEENAH R-1555 CASTING SOLID LID
ST#6	RIM 922.25; INV. E 917.82	4.43	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#7	RIM 921.35; INV. S 917.22	4.13	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#8	RIM 921.15; INV. W 917.00; INV. N 917.00; INV. E 917.00	4.15	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#9	RIM 918.57; INV. SW 914.43	4.14	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#10	RIM 917.95; INV. NE 914.21; INV. SW 914.21	3.74	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#11	RIM 920.11; INV. W TBD; INV. N TBD	TBD	TBD TBD TBD
ST#12	RIM 920.16; INV. NE 915.96; INV. SE 914.96	5.20	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#13	RIM 917.35; INV. E 915.05	2.30	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#14	RIM 917.80; INV. NE 914.69; INV. W 914.94	3.11	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#15	RIM 917.58; INV. SE 914.25; INV. SW 914.25	3.33	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#16	RIM 918.13; INV. SE 914.13; INV. NW 914.13	4.00	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#17	RIM 914.00; INV. SE TBD	TBD	48" I.D. PRECAST MANHOLE NEENAH R-2560-EA CASTING BEEHIVE GRATE
ST#18	RIM 920.10; INV. E 915.10	5.00	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#19	RIM 916.25; INV. S 911.78; INV. NW 911.78	4.47	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#20	RIM 915.68; INV. E 911.47; INV. N 911.65; INV. W 911.65	4.20	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#21	RIM 914.46; INV. W 910.99; INV. SE 910.82	3.64	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE R GRATE
ST#22	RIM 912.48; INV. NE 909.20; INV. SW 909.36	3.28	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#23	RIM 911.98; INV. NE 909.48	2.50	2'x3' STORM INLET BOX NEENAH R-3067 CASTING TYPE L GRATE
ST#24	RIM 925.75; INV. NW 919.26; INV. NE 920.26; INV. SE 919.26	6.16	48" I.D. PRECAST MANHOLE NEENAH R-2555 CASTING TYPE G GRATE
ST#25	RIM 926.33; INV. NE 922.40; INV. SW 922.40; INV. NW 924.46; SUMP 923.63	3.93	12" NYLOPLAST CATCH BASIN 12" H-20 PEDESTRIAN GRATE
ST#26	RIM 926.00; INV. SW 923.25; SUMP 922.42	3.58	12" NYLOPLAST CATCH BASIN 12" H-20 PEDESTRIAN GRATE
ST#27	RIM 925.80; INV. SW 922.71; SUMP 921.88	3.92	30" NYLOPLAST CATCH BASIN 30" H-20 PEDESTRIAN GRATE
ST#28	RIM 926.00; INV. NE 923.19; INV. SE 922.86; SUMP 922.02	3.98	30" NYLOPLAST CATCH BASIN 30" H-20 PEDESTRIAN GRATE
ST#29	RIM 926.00; INV. SW 923.83; SUMP 924.57; SUMP 923.00	3.00	30" NYLOPLAST CATCH BASIN 30" H-20 PEDESTRIAN GRATE
ST#30	RIM 935.00; INV. SW TBD	TBD	36" I.D. PRECAST MANHOLE NEENAH R-2560-EA CASTING BEEHIVE GRATE
ST#31	RIM 909.40; INV. SE TBD	TBD	48" I.D. PRECAST MANHOLE NEENAH R-2560-EB CASTING BEEHIVE GRATE
ST#32	RIM 907.00; INV. NE TBD	TBD	48" I.D. PRECAST MANHOLE NEENAH R-2560-EA CASTING BEEHIVE GRATE

BENCH MARK

ELEVATIONS ARE REFERENCED TO NAVD 88 DATUM

BENCHMARK #1
60d SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 940.78

BENCHMARK #2
60d SPIKE IN POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 500 SOUTH OF BENCHMARK #1
ELEVATION = 913.64

DESCRIPTION

BEING PART OF OUTLOT 12 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN

SUBJECT TO (IF ANY) COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT-OF-WAYS AND EASEMENTS OF RECORD.

0' 40' 80' 120'
Scale 1"=40'

N

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www.brayarch.com

Civil Engineering
Land Surveying
Landscape Architecture
5709 Windy Drive, Suite D
Stevens Point, WI 54482
715.344.9999(Ph) 715.344.9922(FX)
Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:
DATE DESCRIPTION

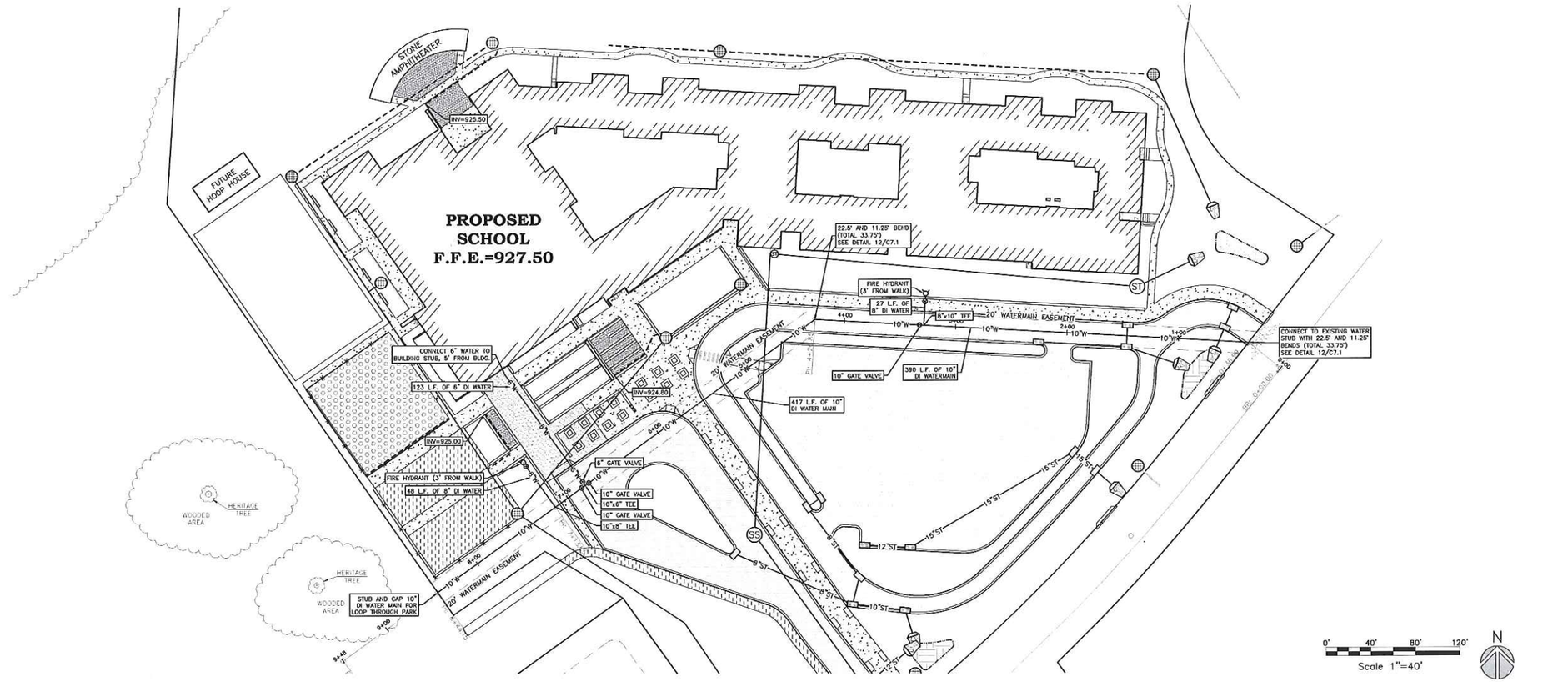
NOT FOR CONSTRUCTION

Project Number: 3322

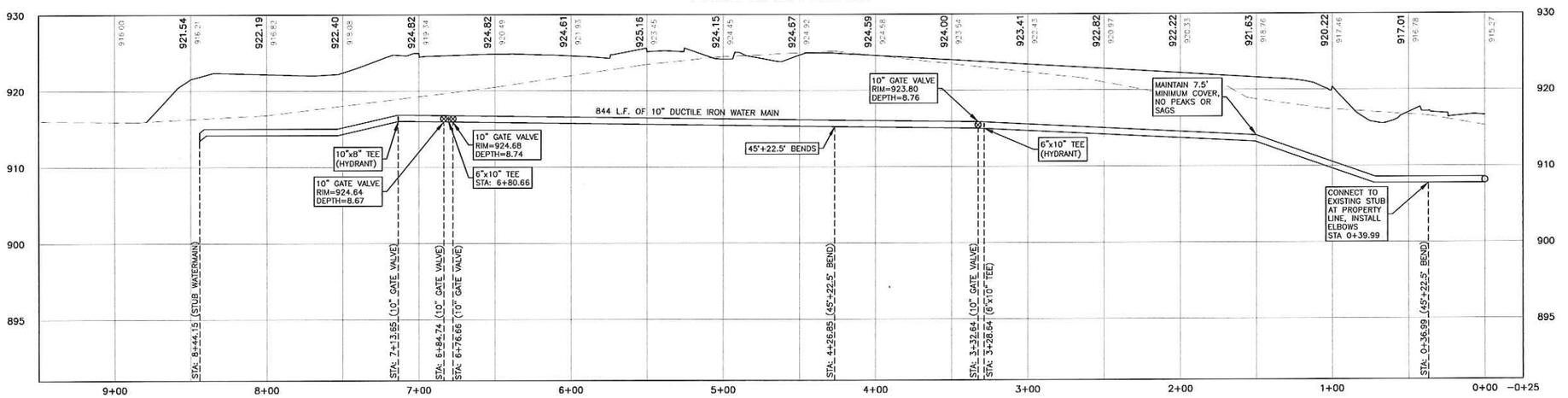
Issued For: CITY SUBMITTAL
12/11/2018

Sheet Title: UTILITY PLAN

Sheet Number: C5.0



WATERMAIN PROFILE



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POB Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

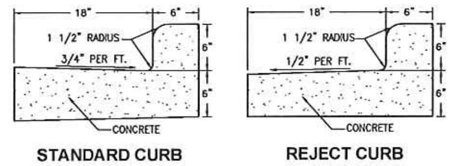
NOT FOR CONSTRUCTION

Project Number: 3322

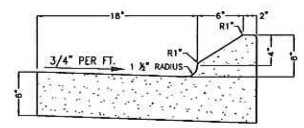
Issued For: CITY SUBMITTAL 12/11/2018

Sheet Title: WATERMAIN PROFILE

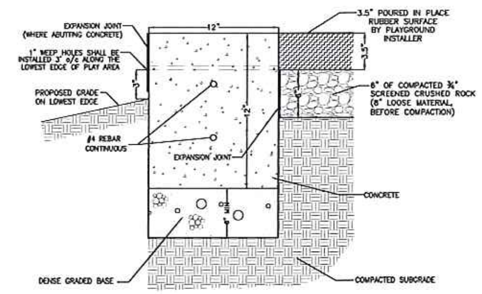
Sheet Number: C6.0



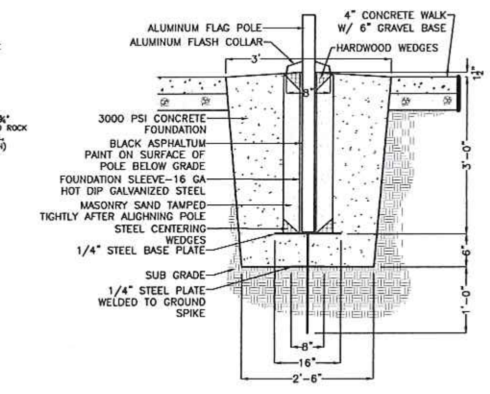
24" CURB AND GUTTER (1/C7.0)



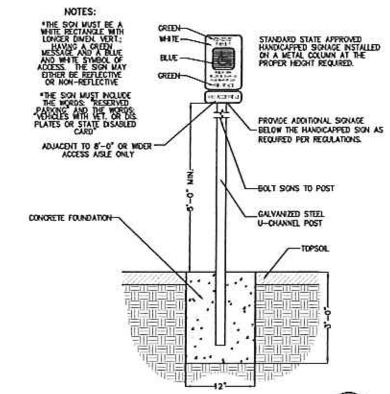
26" MOUNTABLE CURB (2/C7.0)



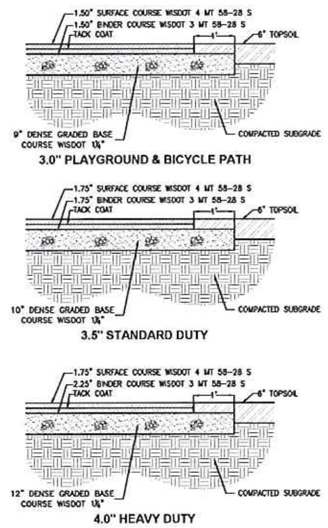
12"x12" CONCRETE PLAYGROUND CURB (3/C7.0)



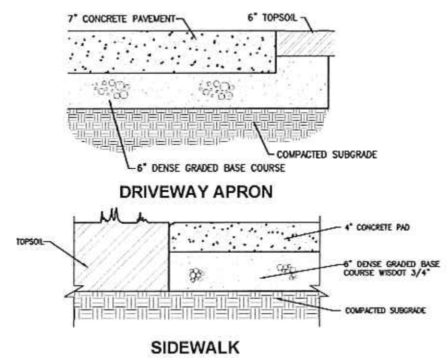
FLAG POLE BASE (4/C7.0)



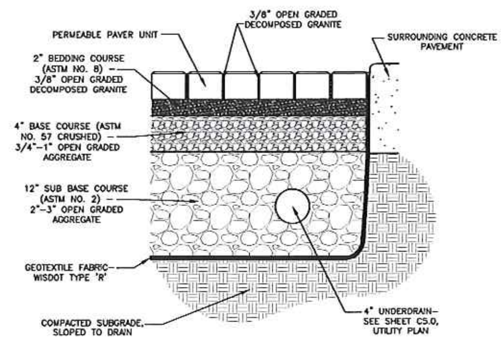
HANDICAP PARKING SIGN (5/C7.0)



ASPHALT PAVEMENT (6/C7.0)

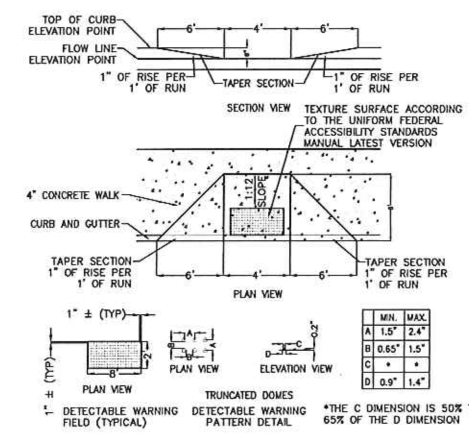


CONCRETE PAVEMENT (7/C7.0)

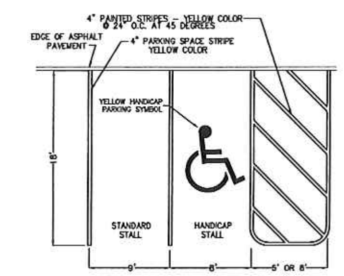


NOTES:
- PERMEABLE PAVER UNIT SHALL BE COUNTY MATERIALS H20 PRO-A (4"X8" UNIT)
- COLOR / PATTERN TO BE SELECTED BY OWNER / ARCHITECT
- INSTALL PER MANUFACTURER'S SPECIFICATIONS

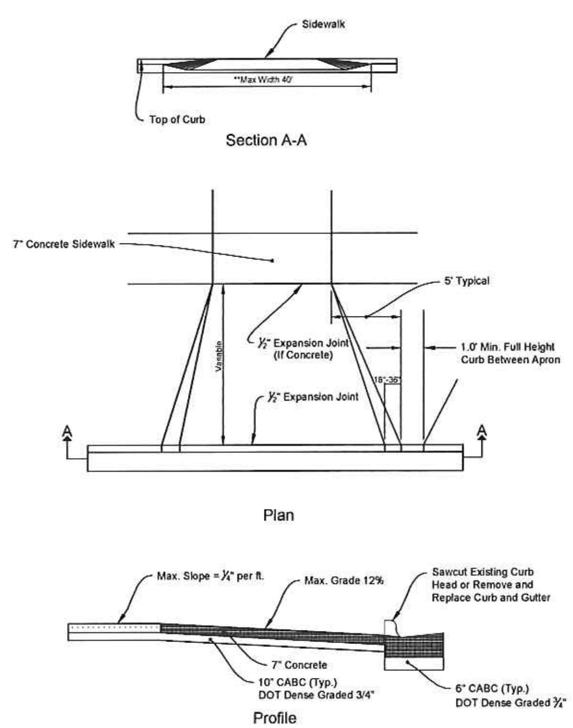
PERMEABLE PAVERS (8/C7.0)



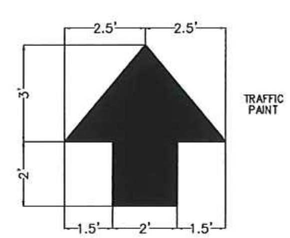
ADA CURB RAMP (9/C7.0)



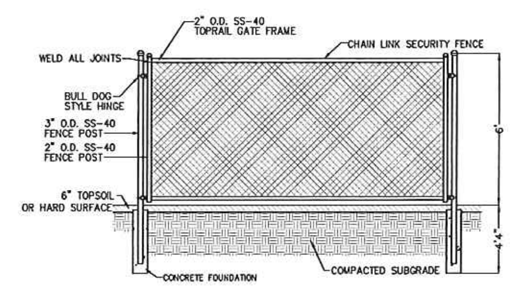
PARKING LOT STRIPING (10/C7.0)



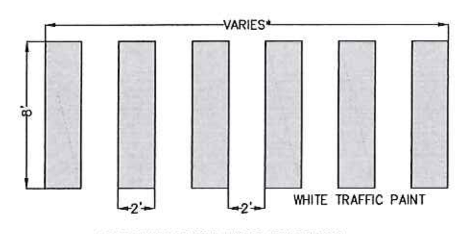
COMMERCIAL DRIVEWAY DETAIL (15/C7.0)



DIRECTIONAL ARROW (11/C7.0)

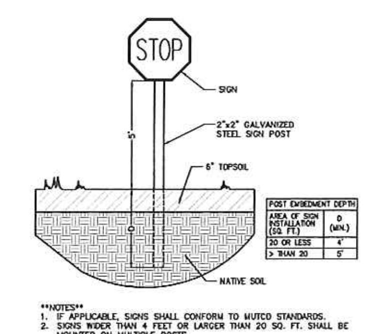


CHAIN LINK FENCE (12/C7.0)



*CROSSWALK LENGTH VARIES BY LOCATION

STRIPED CROSSWALK (13/C7.0)

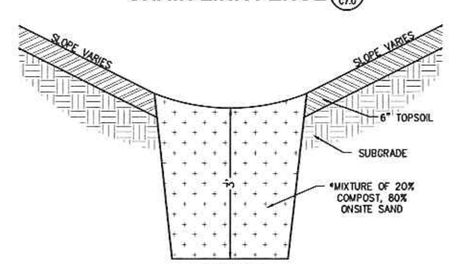


NOTES
1. IF APPLICABLE, SIGNS SHALL CONFORM TO MUTCD STANDARDS.
2. SIGNS WIDER THAN 4 FEET OR LARGER THAN 20 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS.

STANDARD SIGN INSTALLATION (14/C7.0)

NOTES
1. 12"x18" NO PARKING FIRE LANE SIGN
2. COLOR: BACKGROUND – WHITE; MESSAGE – RED

FIRE LANE SIGN (16/C7.0)



NOTES:
1. COMPOST SHALL MEET THE REQUIREMENTS OF S100 IN THE WISCONSIN DNR RUNOFF MANAGEMENT STORM WATER TECHNICAL STANDARDS.
2. COMPOST SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH, AND OTHER MATERIAL OVER 1 INCH IN DIAMETER.
3. THE CONTRACTOR SHALL NOT COMPACT THE SOILS WITHIN THE "INFILTRATION BASINS" AS INDICATED ON THE PLAN, AS THIS MAY IMPACT THE INFILTRATION PERFORMANCE OF THE SOILS. UPON COMPLETION OF GRADING THESE AREAS, A PROTECTIVE FENCE SHALL BE PLACED AROUND THE PERIMETER TO MINIMIZE CONSTRUCTION TRAFFIC.

INFILTRATION BASIN (17/C7.0)

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Point of Beginning — Civil Engineering, Land Surveying, Landscape Architecture

Project Title: NEW BUILDING: OREGON ELEMENTARY SCHOOL, OREGON SCHOOL DISTRICT, FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

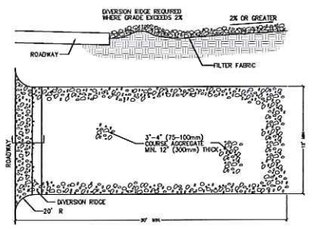
NOT FOR CONSTRUCTION

Project Number: 3322

Issued For: CITY SUBMITTAL

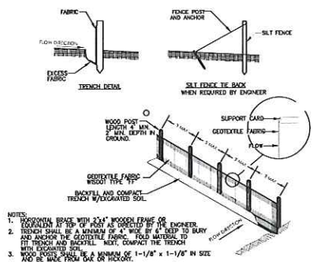
Sheet Title: DETAILS

Sheet Number: C6.0



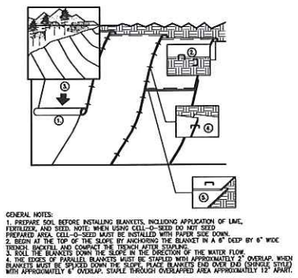
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. IF TRACKING PAD IS FILLED WITH SEDIMENT REMOVE AND REPLACE COURSE AGGREGATE.

ROCK CONSTRUCTION ENTRANCE (1 / C7.1)



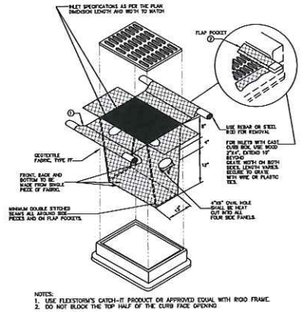
NOTES:
1. HORIZONTAL BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POST AS SPECIFIED BY THE ENGINEER.
2. TRENCH SHALL BE A MINIMUM OF 4" WIDE BY 8" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL. NEXT, COMPACT THE TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE HARDWOOD OF 1-1/8" x 1-1/8" IN SIZE OR 1-3/8" DIAMETER ROUND.
4. ATTACH THE FABRIC TO THE POST WITH WIRE STAPLES OR WOODEN LATH AND NAILS.
5. WOOD POSTS SHALL MAINTAIN A 3' MAXIMUM SPACING WHEN USING STANDARD GEOTEXTILE FABRIC. WHEN WOVEN GEOTEXTILE FABRIC IS USED, THE WOOD POSTS MAY BE SPACED UP TO 8' APART.

SILT FENCE (2 / C7.1)



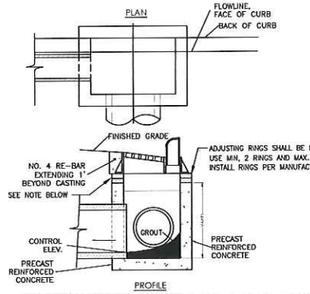
GENERAL NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA APPROXIMATELY 12" APART.

EROSION CONTROL BLANKETS (3 / C7.1)



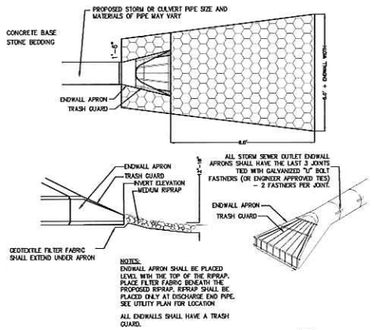
NOTES:
1. USE FLEXSTORM'S CATCH-IT PRODUCT OR APPROVED EQUAL WITH RIGID FRAME.
2. DO NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING

INLET PROTECTION (4 / C6.0)



NOTE: GEOTEXTILE FABRIC SHALL BE WRAPPED AROUND ALL STORM CASTINGS AND ADJUSTMENT.

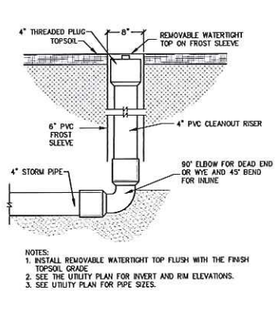
2'x3' BOX CATCH BASIN (5 / C7.1)



NOTES:
ENDWALL APRON SHALL BE PLACED LEVEL WITH THE TOP OF THE RIPRAP. PLACE FILTER FABRIC BENEATH THE PROPOSED RIPRAP. RIPRAP SHALL BE PLACED ONLY AT DISCHARGE END PIPE. SEE UTILITY PLAN FOR LOCATION

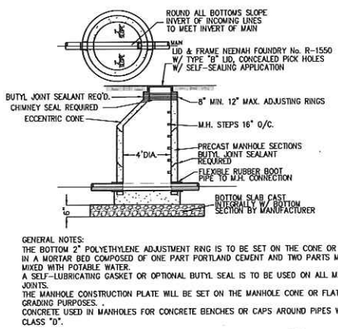
ALL ENDWALLS SHALL HAVE A TRASH GUARD.

ENDWALL STRUCTURE (6 / C7.1)



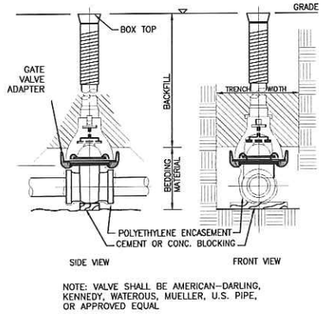
NOTES:
1. INSTALL REMOVABLE WATERTIGHT TOP FLUSH WITH THE FINISH TOPSOIL GRADE
2. SEE THE UTILITY PLAN FOR INVERT AND RIM ELEVATIONS.
3. SEE UTILITY PLAN FOR PIPE SIZES.

STORM SEWER CLEANOUT (7 / C7.1)



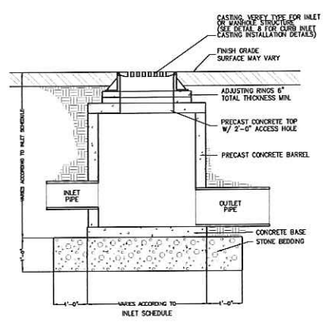
GENERAL NOTES:
THE BOTTOM 2" POLYETHYLENE ADJUSTMENT RING IS TO BE SET ON THE CONE OR FLAT TOP IN A MORTAR BED COMPOSED OF ONE PART PORTLAND CEMENT AND TWO PARTS MASON SAND MIXED WITH POTABLE WATER.
A SELF-LUBRICATING GASKET OR OPTIONAL BUTYL SEAL IS TO BE USED ON ALL MANHOLE JOINTS.
THE MANHOLE CONSTRUCTION PLATE WILL BE SET ON THE MANHOLE CONE OR FLAT-TOP FOR GRADING PURPOSES.
CONCRETE USED IN MANHOLES FOR CONCRETE BENCHES OR CAPS AROUND PIPES WILL BE CLASS "D".

SANITARY MANHOLE (8 / C7.1)

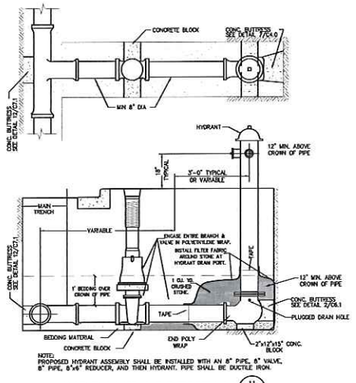


NOTE: VALVE SHALL BE AMERICAN-DARLING, KENNEDY, WATEROUS, MUELLER, U.S. PIPE, OR APPROVED EQUAL

GATE VALVE (9 / C7.1)

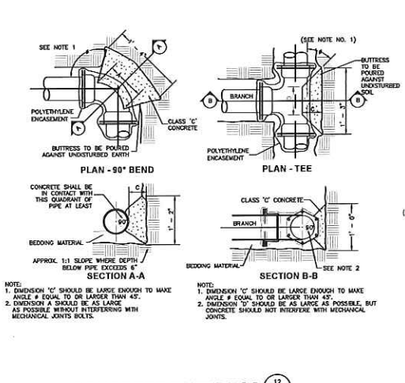


STORM MANHOLE (10 / C7.1)



NOTE:
PROPOSED HYDRANT ASSEMBLY SHALL BE INSTALLED WITH AN 8" PIPE, 8" VALVE, 8" PIPE, 8"x6" REDUCER, AND THEN HYDRANT. PIPE SHALL BE DUCTILE IRON.

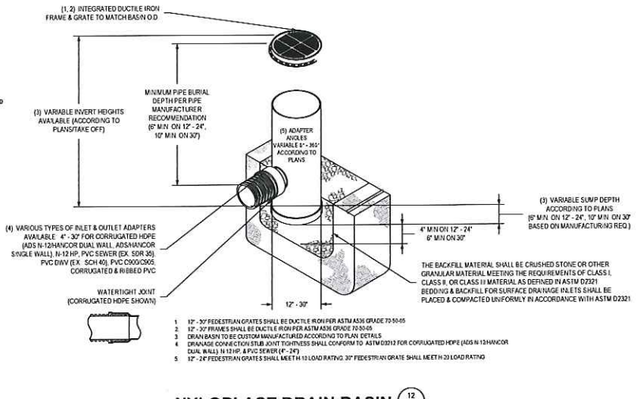
HYDRANT ASSEMBLY (11 / C7.1)



NOTE:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE # EQUAL TO OR LARGER THAN 45°.
2. DIMENSION A SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MECHANICAL JOINTS BOLTS.

NOTE:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE # EQUAL TO OR LARGER THAN 45°.
2. DIMENSION "D" SHOULD BE AS LARGE AS POSSIBLE, BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.

CONCRETE BUTTRESS (12 / C7.1)



1. 12"-30" PEDESTRIAN GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 12"-30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) N-12 HP, & PVC SS-R35 (4"-24")
5. 12"-24" PEDESTRIAN GRATES SHALL MEET H-10 LOAD RATING. 30" PEDESTRIAN GRATE SHALL MEET H-20 LOAD RATING

NYLOPLAST DRAIN BASIN (12 / C7.1)

NOTES:
1. ENGINEERED MEDIA SHALL BE A MIXTURE OF 70-85% MINERAL SAND AND 15-30% COMPOST.
1.A. THE SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS.
-USDA COARSE SAND (.02 - .04 INCHES)
-ASTM C33 FINE AGGREGATE CONCRETE SAND)
-ASTM C33 CONCRETE AGGREGATE SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4. (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY.
1.B. THE PREFERRED SAND COMPONENT CONSISTS OF MOSTLY SIZE, BUT SAND CONSISTING OF DOLOMITE OR CALCIUM CARBONATE MAY ALSO BE USED. MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED. THE SAND SHALL BE WASHED AND DRAINED TO REMOVE CLAY AND SILT PARTICLES PRIOR TO MIXING.
1.C. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DNR SPECIFICATION 2100, COMPOST.
1.D. THE ENGINEERED SOIL MIX SHALL BE FREE FROM ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO MATERIAL THAT WILL BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE.
1.E. THE ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 8.0.
1.F. THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS.
2. DO NOT ADD ENGINEERED MEDIA UNTIL SITE PAVING HAS OCCURRED AND TURF AREAS HAVE BEEN ESTABLISHED WITH VEGETATION.
3. ENGINEERED MEDIA SHALL BE INSTALLED WITH NO MECHANICAL COMPACTION (INCLUDING EQUIPMENT TRACKING).
4. ENGINEERED MEDIA SHALL BE INSTALLED IN 8" LIFTS AND SPRINKLER WATERED TO SIMULATE RAINFALL AT EACH LIFT TO ACHIEVE SETTLEMENT. ALTERNATIVELY, ENGINEERED MEDIA MAY BE PLACED AND WATERED AFTER PLANTING AND FINISHED GRADE PLACED 3 INCHES ABOVE THE PLAN ELEVATION TO ACCOUNT FOR EXPECTED SETTLEMENT DURING INITIAL RAINFALLS.

NORTH BIORETENTION BASIN (13 / C7.1)

NOTES:
1. ENGINEERED MEDIA SHALL BE A MIXTURE OF 70-85% MINERAL SAND AND 15-30% COMPOST.
1.A. THE SAND SHALL MEET ONE OF THE FOLLOWING GRADATION REQUIREMENTS.
-USDA COARSE SAND (.02 - .04 INCHES)
-ASTM C33 FINE AGGREGATE CONCRETE SAND)
-ASTM C33 CONCRETE AGGREGATE SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4. (FINE AGGREGATE CONCRETE SAND) 2005 EDITION, OR AN EQUIVALENT AS APPROVED BY THE ADMINISTERING AUTHORITY.
1.B. THE PREFERRED SAND COMPONENT CONSISTS OF MOSTLY SIZE, BUT SAND CONSISTING OF DOLOMITE OR CALCIUM CARBONATE MAY ALSO BE USED. MANUFACTURED SAND OR STONE DUST IS NOT ALLOWED. THE SAND SHALL BE WASHED AND DRAINED TO REMOVE CLAY AND SILT PARTICLES PRIOR TO MIXING.
1.C. THE COMPOST COMPONENT SHALL MEET THE REQUIREMENTS OF WISCONSIN DNR SPECIFICATION 2100, COMPOST.
1.D. THE ENGINEERED SOIL MIX SHALL BE FREE FROM ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER 1 INCH IN DIAMETER. NO MATERIAL THAT WILL BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE SHALL BE MIXED WITH THE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO PLANTING OR MAINTENANCE.
1.E. THE ENGINEERED SOIL MIX SHALL HAVE A PH BETWEEN 5.5 AND 8.0.
1.F. THE ENGINEERED SOIL MIX SHALL HAVE ADEQUATE NUTRIENT CONTENT TO MEET PLANT GROWTH REQUIREMENTS.
2. DO NOT ADD ENGINEERED MEDIA UNTIL SITE PAVING HAS OCCURRED AND TURF AREAS HAVE BEEN ESTABLISHED WITH VEGETATION.
3. ENGINEERED MEDIA SHALL BE INSTALLED WITH NO MECHANICAL COMPACTION (INCLUDING EQUIPMENT TRACKING).
4. ENGINEERED MEDIA SHALL BE INSTALLED IN 8" LIFTS AND SPRINKLER WATERED TO SIMULATE RAINFALL AT EACH LIFT TO ACHIEVE SETTLEMENT. ALTERNATIVELY, ENGINEERED MEDIA MAY BE PLACED AND WATERED AFTER PLANTING AND FINISHED GRADE PLACED 3 INCHES ABOVE THE PLAN ELEVATION TO ACCOUNT FOR EXPECTED SETTLEMENT DURING INITIAL RAINFALLS.

SOUTH BIORETENTION BASIN (14 / C7.1)

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Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3322

Issued For:
CITY SUBMITTAL
12/11/2018

Sheet Title:
DETAILS

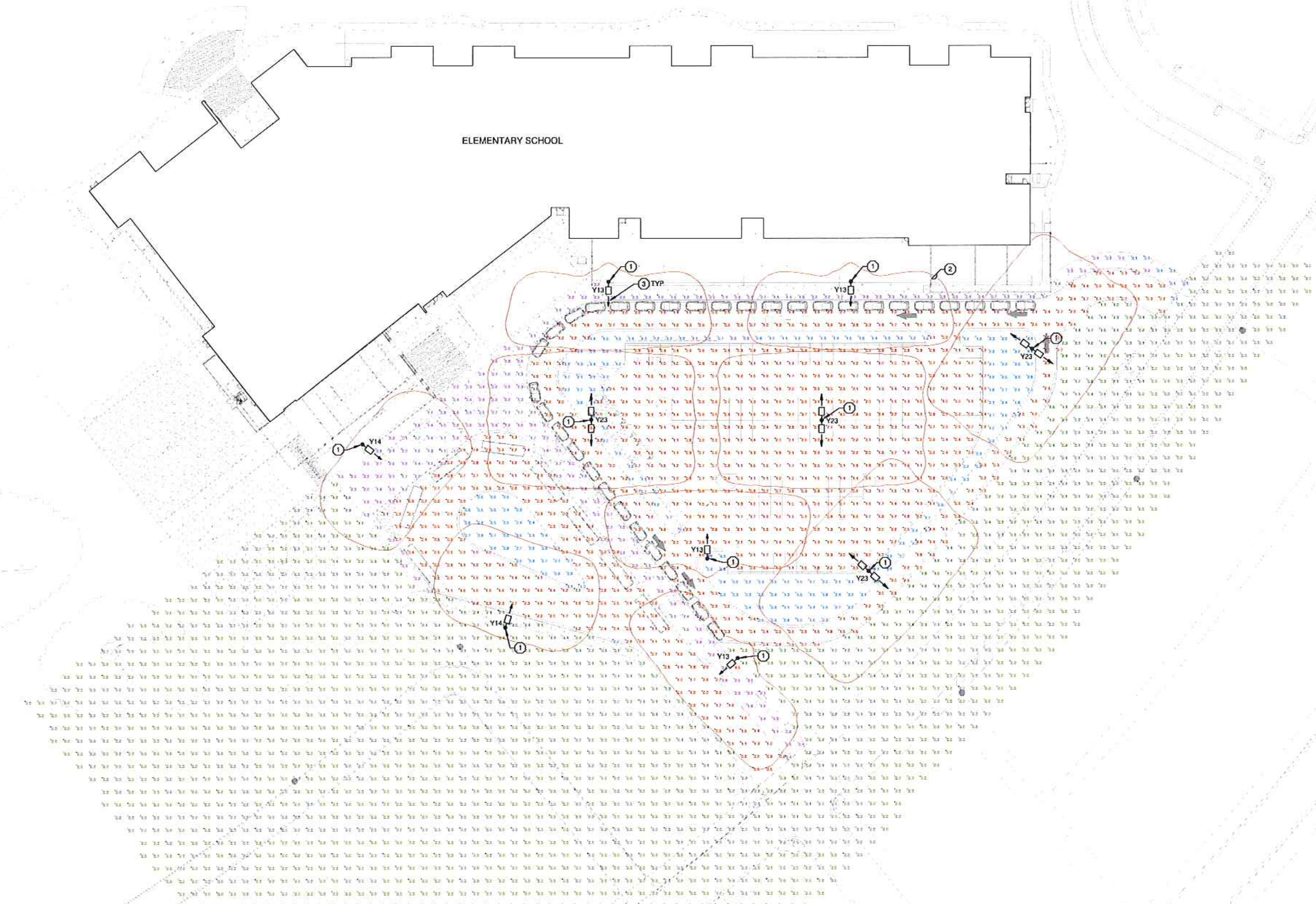
Sheet Number:
C6.1

GENERAL NOTES:

1. UNLESS SHOWN OTHERWISE. ALL WIRING SHOWN IS (2)#10 AND #10 GROUND IN 1" PVC.
2. INSTALL PULL CORD IN ALL EMPTY CONDUITS.
3. UNLESS SHOWN OTHERWISE. ALL CONDUITS BURIED 2'-6" BELOW FINISHED GRADE.
4. PROVIDE SITE LIGHTING CONTROL PANEL PER DETAIL (-/-).
5. E.C. IS RESPONSIBLE FOR ALL WORK REQUIRED TO BRING SITE EXCAVATION AND TOPPING BACK TO ORIGINAL CONDITION IF TRENCHING IS DONE ON COMPACTED SURFACES.

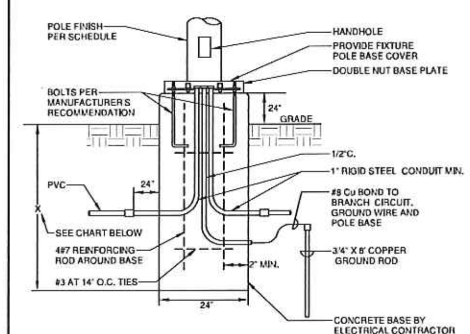
PLAN NOTES: (X)

1. PROVIDE 24" CONCRETE POLE BASE PER DETAIL (1/E0.0)
2. TYPICAL LIGHT DISTRIBUTION OF 0.5 FOOT CANDLES.
3. TYPICAL LIGHT BEAM LAMP DIRECTION.



North

Site Plan - Photometric
Scale: 1" = 40'-0"



NOTES:

1. IN UNDISTURBED EARTH, EXCLUDING FILL MATERIAL, A 2'-0" DIA. HOLE WHICH SHALL BE USED AS THE FORM FOR THE CONCRETE BASE SHALL BE DRILLED.
2. IN EXCAVATED AREAS OR IN EXISTING SOIL CONTAINING FILL OF OBJECTIONABLE MATERIAL, BACKFILL AROUND CONCRETE BASE WITH COMPACTED GRANULAR BACKFILL A MIN. OF 2'-0" IN ALL DIRECTIONS.

POLE HEIGHT IN FEET	BASE DEPTH IN INCHES BELOW GRADE
10'-0"	X = 60" (INCHES)
15'-0"	X = 60" (INCHES)
20'-0"	X = 60" (INCHES)
25'-0"	X = 72" (INCHES)
30'-0"	X = 72" (INCHES)
35'-0"	X = 72" (INCHES)
40'-0"	X = 96" (INCHES)
45'-0"	X = 96" (INCHES)
50'-0"	X = 108" (INCHES)

(1/E0.0) **24" EXTERIOR LIGHTING CONCRETE BASE DETAIL**
SCALE: NTS

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
AREA OUTSIDE CALC ZONES	◇	0.1 fc	4.6 fc	0.0 fc	N/A	N/A
ISLAND - PARKING NORTH	◇	2.0 fc	9.1 fc	0.2 fc	45.5:1	10.0:1
ISLAND - PARKING SOUTH	◇	1.7 fc	5.7 fc	0.7 fc	8.1:1	2.4:1
ISLNAD - BUS AREA	◇	0.6 fc	1.1 fc	0.3 fc	3.7:1	2.0:1
PARKING DRIVE/BUSS ENTRANCE	+	0.9 fc	2.7 fc	0.2 fc	13.5:1	4.5:1
PARKING DRIVE/MAIN ENTRANCE	+	1.6 fc	7.1 fc	0.1 fc	71.0:1	16.0:1
WALKWAY - MAIN ENTRANCE	+	1.3 fc	4.6 fc	0.1 fc	46.0:1	13.0:1

FIXTURE SCHEDULE

TYPE	DESCRIPTION	WATTS	LAMP TYPE	LAMP QTY.	MANUFACTURER	CATALOG NUMBER	NOTE
K4	6" SQUARE LED CAN LIGHT 4,000K COLOR 650 LUMENS 0-10 V DIMMING WITH SOFT SATIN BAFFLE WITH WHITE TRIM DAMP LABEL	13	LED 4000K	W/FIX	CREE	KR6S-9L-40K-120-10V/KR6TS-SSGC-FF	
					LITON	LHQLD515C70 UE-D10 LRQLD5 T40K LRQ53 SS	
					ATLANTIC LIGHTING	LED6X6-DLM650(SP)-4K-U/LSQ612-CL-PF	
H1	EXTERIOR WEDGE DOWN LIGHT LED	25	LED 4000K	1 BAR	MCGRAW	IST-E01-LED-E1-BL4-BZ	
					GARDCO		
					LSI		
Y13	SINGLE HEADED TYPE III LED (4000K) (1A) SHOE BOX FIXTURE WITH 25' SQUARE STEEL POLE	166	WITH FIX	---	MCGRAW	GLEON-AF-03-LED-E1-SL3-BZ/SSS5A25SFM1	1,2
					GARDCO		
					SPAULDING		
Y14	SINGLE HEADED TYPE IV LED (4000K) (1A) SHOE BOX FIXTURE WITH 25' SQUARE STEEL POLE	166	WITH FIX	---	MCGRAW	GLEON-AF-03-LED-E1-SL4-BZ/SSS5A25SFM1	1,2
					GARDCO		
					SPAULDING		
Y23	DOUBLE HEADED TYPE III LED (4000K) (1A) SHOE BOX FIXTURE WITH 25' SQUARE STEEL POLE	332	WITH FIX	---	MCGRAW	(2)GLEON-AF-03-LED-E1-SL3-BZ/SSS5A25SFM2	1,2
					GARDCO		
					SPAULDING		

GENERAL NOTES:
1. ALL FIXTURES TO BE 120V UNLESS OTHERWISE NOTED

PLAN NOTES:
1. PROVIDE CONCRETE BASE FOR THIS FIXTURE
2. FIXTURE TO BE 208 VOLT

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Project Title:
NEW BUILDING:
OREGON ELEMENTARY
OREGON SCHOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number:
3322

Issued For:

Sheet Title:
Site Plan - Photometric

Sheet Number:
E0.0

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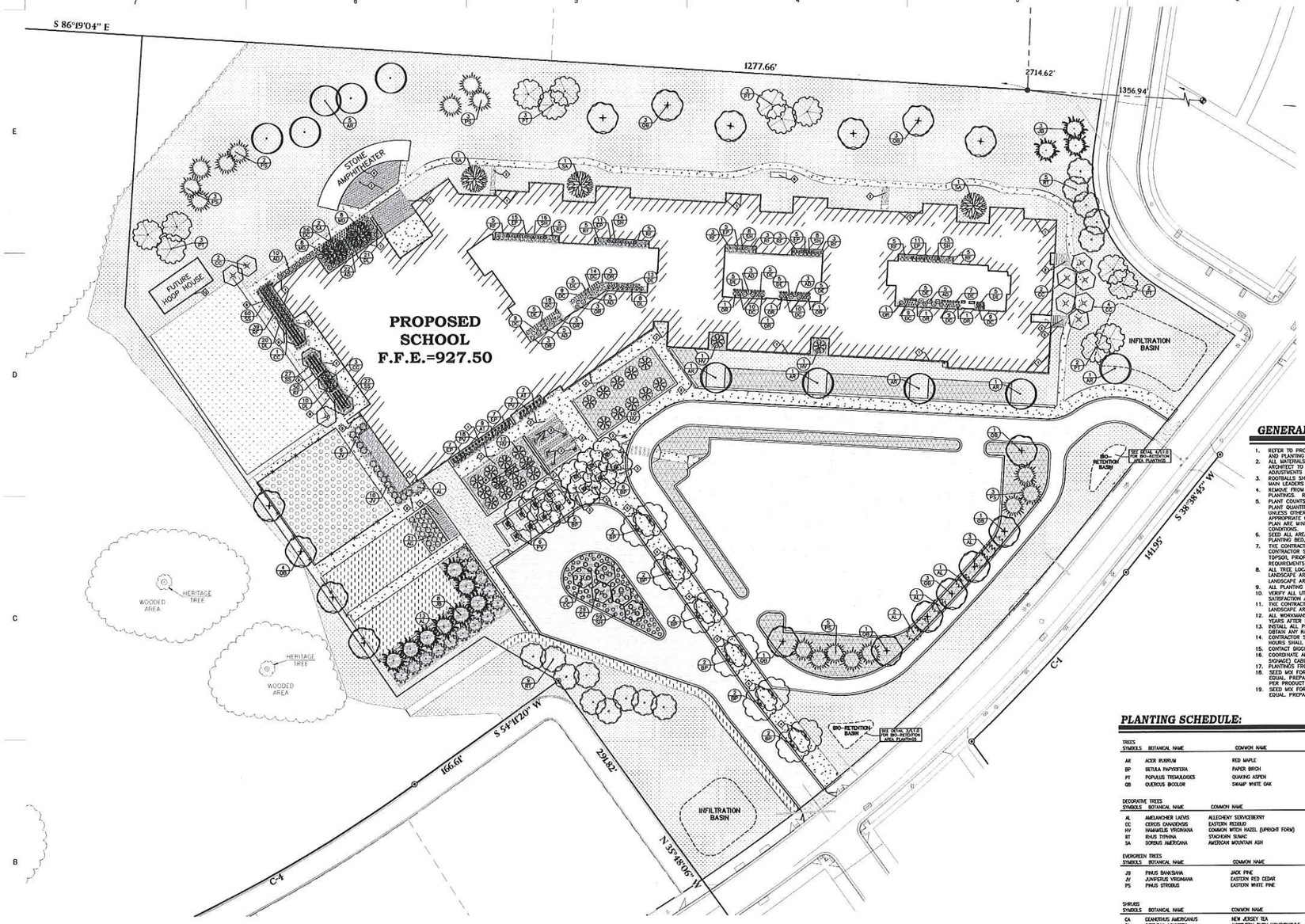


KEYNOTES:

1. 12" STONE MOWSTRIP TYP. — (1 / L1.0)
2. STABILIZED AGGREGATE PATH — (2 / L1.0)
3. NATIVE BOULDER– TO BE COLLECTED FROM THE SITE DURING CONSTRUCTION. SIZE AND PLACEMENT TBD BY OWNER AND CONSTRUCTION MANAGER. — (5 / L1.0)
4. TREE GRATE– TO BE NEENAH R–8615–B, 4'X10' TREE GRATE AND FRAME. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. PLANTER BOX– SEE ARCHITECTURAL PLANS
6. WATER TROUGH– SEE ARCHITECTURAL PLANS
7. PERMEABLE PAVERS– SEE SHEET C2.0
8. WHOLE TREE BENCH– SEE SHEET C2.0
9. AMPHITHEATER– SEE SHEETS C2.0 & C3.0
10. FUTURE HOOP HOUSE LOCATION– SEE SHEETS C2.0 & C3.0

LEGEND:

- AREA TO BE SEEDED W/TURF SEED. SEE SPECIFICATIONS FOR SEED MIX DETAILS.
- 3" DEPTH OF SHREDDED HARDWOOD BARK MULCH
- AREA TO BE SEEDED W/NO-MOW SEED. SEE GENERAL NOTE #18.
- DECOMPOSED RED GRANITE — (1 / L1.0) (2 / L1.0)
- WILDLIFE PRAIRIE SEED MIX– SEE GENERAL NOTE #19

GENERAL NOTES:

1. REFER TO PROJECT MANUAL FOR PLANTING SPECIFICATIONS AND TOPSOIL REQUIREMENTS. REFER TO PLANT SCHEDULE AND PLANTING DETAILS FOR ADDITIONAL INFORMATION.
2. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER AT ANY TIME. LANDSCAPE ARCHITECT TO INSPECT ALL PLANT LOCATION AND PLANT BED CONDITIONS PRIOR TO INSTALLATION. ON–SITE ADJUSTMENTS MAY BE REQUIRED.
3. ROOTBALLS SHALL MEET OR EXCEED SIZE STANDARDS AS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK". MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. REMOVE FROM THE SITE ANY PLANT MATERIAL THAT TURNS BROWN OR DEFOLIATES WITHIN FIVE (5) DAYS AFTER PLANTINGS. REPLACE IMMEDIATELY WITH APPROVED, SPECIFIED MATERIAL.
5. PLANT COUNTS INDICATED ON DRAWINGS ARE FOR LANDSCAPE ARCHITECT'S USE ONLY. CONTRACTOR SHALL MAKE OWN PLANT QUANTITY TAKEOFFS USING DRAWINGS, SPECIFICATIONS, AND PLANT SCHEDULE REQUIREMENTS (I.E., SPACING). UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, CONTRACTOR TO VERIFY BID MEASUREMENTS AND INSTALL APPROPRIATE QUANTITIES AS GOVERNED BY PLANT SPACING PER SCHEDULE. PLANT MATERIAL QUANTITIES SHOWN ON PLAN ARE MINIMUM QUANTITIES. ADDITIONAL MATERIAL MAY BE NEEDED TO MEET SPACING REQUIREMENTS AND FIELD CONDITIONS.
6. SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT OTHERWISE NOTED TO RECEIVE PAVEMENT, PLANTING BED, STABILIZED AGGREGATE MATERIALS, OR PRAIRIE MIX SEEDING, AS NOTED IN THE LEGEND.
7. THE CONTRACTOR SHALL INSTALL AND/OR AMEND TOPSOIL IN ALL PROPOSED BED AREAS TO MEET SPECIFICATIONS. CONTRACTOR SHALL COORDINATE QUANTITY AND PLACEMENT OF TOPSOIL. LANDSCAPER SHALL VERIFY DEPTH OF TOPSOIL PRIOR TO PLANT INSTALLATION. (REFER TO SPECIFICATIONS FOR TOPSOIL SOURCE AND PLACEMENT REQUIREMENTS)
8. ALL TREE LOCATIONS SHALL BE MARKED WITH 2X2" STAKES PRIOR TO PLANTING FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT. ANY PLANT MATERIAL INSTALLED IN AN INCORRECT LOCATION, BY THE JUDGMENT OF THE LANDSCAPE ARCHITECT, SHALL BE REINSTALLED AT THE CONTRACTOR'S EXPENSE.
9. ALL PLANTING BEDS SHALL RECEIVE 3" MINIMUM OF SHREDDED HARDWOOD BARK MULCH (UNLESS OTHERWISE NOTED).
10. VERIFY ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO BEGINNING WORK. REPAIR ALL DAMAGED UTILITIES TO OWNER'S SATISFACTION AT NO ADDITIONAL COST.
11. THE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL AND LAWNS UNTIL THE PROJECT IS FULLY ACCEPTED BY THE LANDSCAPE ARCHITECT, UNLESS OTHERWISE NOTED.
12. ALL WORKMANSHIP AND MATERIALS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF TWO (2) CALENDAR YEARS AFTER FINAL ACCEPTANCE.
13. INSTALL ALL PLANT MATERIAL IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES. COORDINATE WITH OWNER TO OBTAIN ANY REQUIRED PERMITS NECESSARY TO COMPLETE WORK.
14. CONTRACTOR SHALL TEST ALL TREE PITS FOR DRAINAGE. ANY TREE PIT THAT HOLDS WATER FOR MORE THAN 24 HOURS SHALL BE INSTALLED USING TREE PIT DRAINAGE.
15. CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
16. COORDINATE ALL LANDSCAPE WORK WITH GAS, ELECTRIC, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES FOR THE INSTALLATION OF SAID UTILITIES.
17. PLANTINGS FROM THE WISCONSIN STATE IDENTIFIED INVASIVE SPECIES LIST SHALL NOT BE PLANTED ON THIS SITE.
18. SEED MIX FOR NO–MOW AREAS SHALL BE "NO MOW LAWN MIX" FROM PRAIRIE NURSERY, WESTFIELD, WI OR APPROVED EQUAL. PREPARATION AND SEEDING RATES ARE PER PRODUCT INSTRUCTIONS.
19. SEED MIX FOR WILDFLOWERS SHALL BE "WILDLIFE PRAIRIE MIX" FROM PRAIRIE NURSERY, WESTFIELD, WI OR APPROVED EQUAL. PREPARATION AND SEEDING RATES ARE PER PRODUCT INSTRUCTIONS.

PLANTING SCHEDULE:

SYMBOLS	BOTANICAL NAME	COMMON NAME	CONT	CAL.	QUANTITY	APPROXIMATE SIZE AT MATURITY	NOTES
TREES							
AR	ACER RUBRUM	RED MAPLE	B&B	2.5" CAL.	10	50–70'T X 10–15'W	FULL, STRONG CENTRAL LEADER, MATCHED
BP	BETULA PAPYRIFERA	PAPER BIRCH	B&B	2.5" CAL.	23	50–70'T X 25–40'W	FULL, STRONG CENTRAL LEADER, MATCHED
PT	POPULUS TREMULOIDES	QUAKING ASPEN	B&B	3"–8"T	13	60'T X 30'W	FULL, STRONG CENTRAL LEADER, MATCHED
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	B&B	2.5" CAL.	17	60'T X 50'W	SPRING DUG, FULL, STRONG CENTRAL LEADER, MATCHED
DECORATIVE TREES							
AL	AMELANCHIER LAEVIS	ALLEGHENY SERVICEBERRY	B&B	6' HT.	21	15–40'T X 15–40'W	CLUMP FORM, 3–5 STEMS
CC	CERCIS CANADENSIS	EASTERN REDBUD	B&B	6' HT.	17	30'T X 30'W	CLUMP FORM, 3–5 STEMS
HV	HAMAMELIS VIRGINIANA	COMMON WITCH HAZEL (UPRIGHT FORM)	B&B	6' HT.	18	15–20'T X 15–20'W	CLUMP FORM, 3–5 STEMS
RT	RHUS TYPHINA	STAGHORN SUMAC	B&B	6' HT.	14	15–25'T X 20–30'W	CLUMP FORM, 3–5 STEMS
SA	SORBUS AMERICANA	AMERICAN MOUNTAIN ASH	B&B	6' HT.	5	15–30'T X 15–20'W	FULL, STRONG CENTRAL LEADER, MATCHED
EVERGREEN TREES							
JB	PINUS BANKSIANA	JACK PINE	B&B	MIN. 6' HT.	11	35–50'T X 10–20'W	FULL, STRONG CENTRAL LEADER, MATCHED, SYMMETRICAL
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B&B	MIN. 5' HT.	16	40–50'T X 8–20'W	FULL, STRONG CENTRAL LEADER, MATCHED, SYMMETRICAL
PS	PINUS STROBUS	EASTERN WHITE PINE	B&B	MIN. 8' HT.	16	50–80'T X 20–40'W	FULL, STRONG CENTRAL LEADER, MATCHED, SYMMETRICAL
SHRUBS							
CA	CEANOTHUS AMERICANUS	NEW JERSEY TEA	CONT.		29	3–4'T X 3–5'W	SPACE @ 3'–0" O.C.
DL	DIERVILLA LONICERA	NORTHERN BUSH HONEYSUCKLE	CONT.		59	2–3'T X 2–4'W	SPACE @ 3'–0" O.C.
GRASSES							
AG	ANDROPOGON GERARDII	BIG BLUESTEM	3" POT		21	5–8'T & W	SPACE @ 2'–6" O.C.
DC	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS	3" POT		153	2–3'T & 1–2'W	SPACE @ 2'–0" O.C.
PV	PANICUM VIRGATUM	SWITCH GRASS	3" POT		31	3–8'T & W	SPACE @ 2'–0" O.C.
SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	3" POT		118	2–4'T & W	SPACE @ 2'–0" O.C.
SS	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	3" POT		114	2–3'T & W	SPACE @ 2'–0" O.C.
PERENNIALS							
AO	ARUNCUS DIOICUS	GOAT'S BEARD	1 GAL.		53	3–6'T & W	SPACE @ 3'–0" O.C.
AN	ASTER NOVAE–ANGLAE	NEW ENGLAND ASTER	3" POT		65	3–6'T & W	SPACE @ 2'–0" O.C.
AT	ASCLEPIAS TUBEROSA	BUTTERFLY WEED	3" POT		16	3–8'T & W	SPACE @ 2'–0" O.C.
DE	DICENTRA EXIMIA	WILD BLEEDING HEART	3" POT		60	1–1.5'T & W	SPACE @ 2'–0" O.C.
EP	ECHINACEA PURPUREA	PURPLE CONEFLOWER	3" POT		81	3–4'T X 2'W	SPACE @ 2'–0" O.C.
MO	MONARDA DIDYMA	RED BEEBALM	3" POT		16	2–3'T & W	SPACE @ 2'–0" O.C.
OR	OSMUNDA REGALIS	ROYAL FERN	1 GAL.		19	2–3'T & W	SPACE @ 2'–0" O.C.
RF	RUDBECKIA FULGIDA	ORANGE CONEFLOWER	3" POT		131	2–3'T & W	SPACE @ 2'–0" O.C.

BENCH MARK

ELEVATIONS ARE REFERENCED TO SAID BENCHMARK DATUM

BENCHMARK #1
604 SPIKE IN POWER POLE, LOCATED ON THE EAST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 300 FEET SOUTH OF THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.
ELEVATION = 948.78

BENCHMARK #2
605 SPIKE IN POWER POLE, LOCATED ON THE WEST SIDE OF C.T.H. "MM" AND BEING APPROXIMATELY 500 SOUTH OF BENCHMARK #1
ELEVATION = 913.64

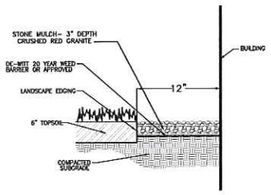
DESCRIPTION

BEING PART OF OUTLOT 92 OF TERRAVESSA, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 6 NORTH, RANGE 9 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

SUBJECT TO (IF ANY) COVENANTS, CONDITIONS, RESTRICTIONS, RIGHT–OF–WAYS AND EASEMENTS OF RECORD.

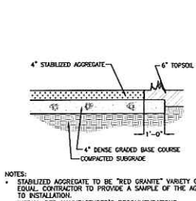
0' 40' 80' 120'
Scale 1"=40'

N



NOTES:
- INSTALL WEED BARRIER FABRIC PER MANUFACTURER'S INSTRUCTIONS.
- STONE MOW STRIP TO BE INSTALLED ADJACENT TO THE BUILDING WHERE THERE ARE NO PLANTINGS BEDS. SEE KEYNOTES ON THIS SHEET FOR STONE MOW STRIP LOCATIONS.

STONE MOW STRIP (1 / L1.0)



NOTES:
- STABILIZED AGGREGATE TO BE "RED GRANITE" VARIETY OR APPROVED EQUAL. CONTRACTOR TO PROVIDE A SAMPLE OF THE AGGREGATE PRIOR TO INSTALLATION.
- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- SEE SPECIFICATIONS FOR FURTHER DETAILS.
- SEE KEYNOTES ON THIS SHEETS FOR STABILIZED AGGREGATE LOCATIONS.

STABILIZED AGGREGATE (2 / L1.0)

PLANTING PLAN
PLAN VIEW–NOT TO SCALE

BOTANICAL NAME	COMMON NAME
A– ALLIUM CERNUUM	NODDING PINK ONION
B– CAREX VULPINOIDEA	FOX SEDGE
C–ASCLEPIAS INCARNATA	SWAMP MILKWEED

PLANT CLUSTER SIZE	TOTAL PLUGS
A	PLUG 100
B	PLUG 125
C	PLUG 100

**1 PLUG FOR EVERY 2 SQUARE FEET

BIO–RETENTION PLANTINGS (3 / L1.0)

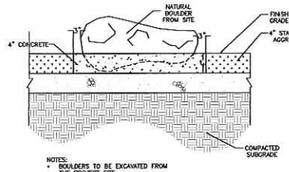
PLANTING PLAN
PLAN VIEW–NOT TO SCALE

BOTANICAL NAME	COMMON NAME
A– ALLIUM CERNUUM	NODDING PINK ONION
B– CAREX VULPINOIDEA	FOX SEDGE
C–ASCLEPIAS INCARNATA	SWAMP MILKWEED

PLANT CLUSTER SIZE	TOTAL PLUGS
A	PLUG 120
B	PLUG 120
C	PLUG 100

**1 PLUG FOR EVERY 2 SQUARE FEET

BIO–RETENTION PLANTINGS (4 / L1.0)



NOTES:
- BOULDERS TO BE EXCAVATED FROM THE PROJECT SITE.
- FINAL BOULDER SELECTION AND PLACEMENT TO BE VERIFIED WITH OWNER AND CONSTRUCTION MANAGER.
- BURY BOULDER APPROXIMATELY 1/3.

ACCENT BOULDERS (5 / L1.0)

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Sheboygan
1227A North 8th Street
PO Box 555
Sheboygan, Wisconsin 53082
T: 920.459.4200
www.brayarch.com

Civil Engineering
Land Surveying
Landscape Architecture

5709 Windy Dune, Suite D
Stevens Point, WI 54482
715.344.9922(P) 715.344.9922(FX)

Point of Beginning

Project Title:
NEW BUILDING:
OREGON ELEMENTARY SCHOOL
OREGON SCHOOL DISTRICT
FITCHBURG, WI 53711

REVISIONS:

#	DATE	DESCRIPTION

NOT FOR CONSTRUCTION

Project Number: 3322

Issued For: CITY SUBMITTAL 12/11/2018

Sheet Title: LANDSCAPE PLAN

Sheet Number: L1.0

Type Y13 LED Single Head
Type Y14 LED Single Head
Type Y23 LED Twin Head

McGraw-Edison

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Fixture BUG (backlight, up light glare) rating where U=0

		Type
Catalog #		
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

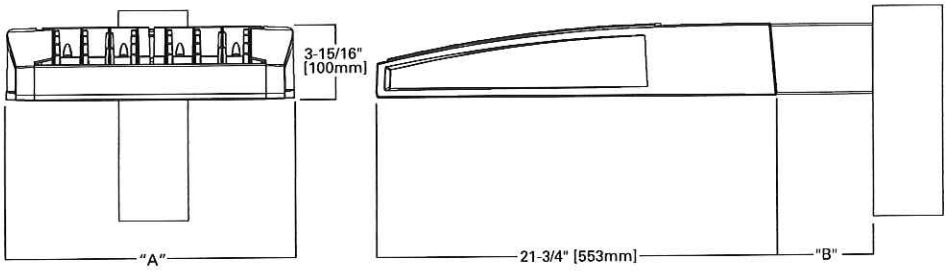
GLEON
GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology
CLICK HERE

DIMENSIONS



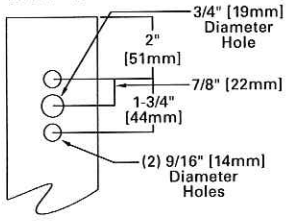
DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length [1]	Weight with Arm (lbs.)	EPA with Arm [2] (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN

TYPE "N"



CERTIFICATION DATA
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

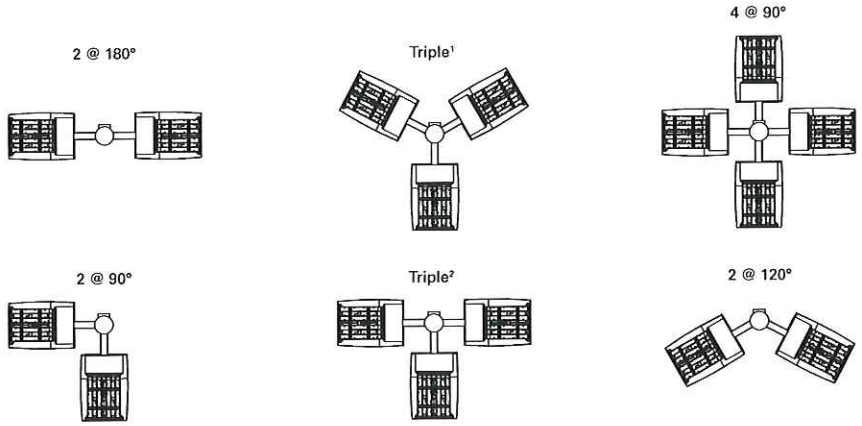
ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

EATON
Powering Business Worldwide

*www.designlights.org

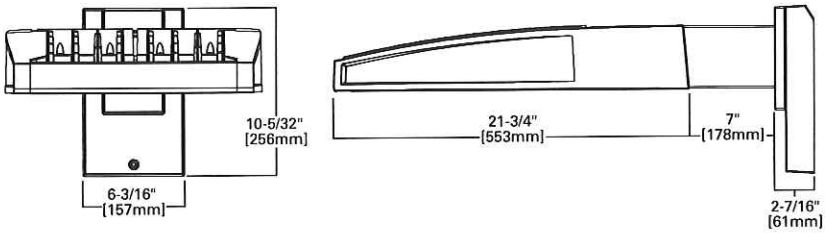
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

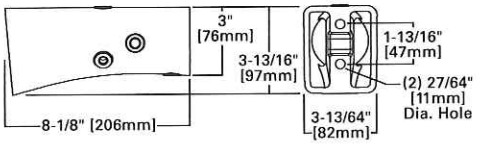


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. **2** Round poles are 3 @ 90°.

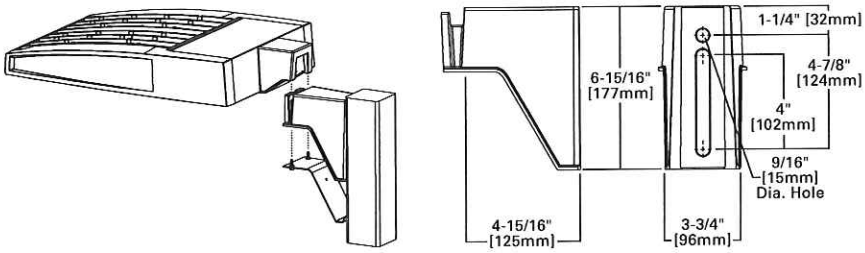
STANDARD WALL MOUNT



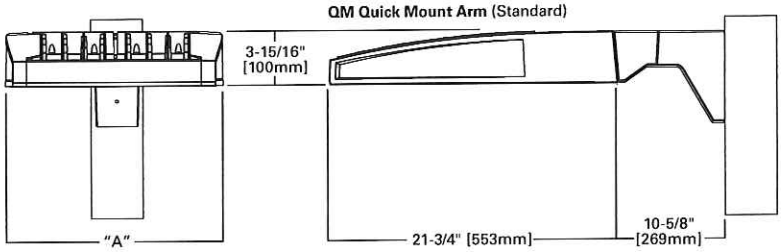
MAST ARM MOUNT



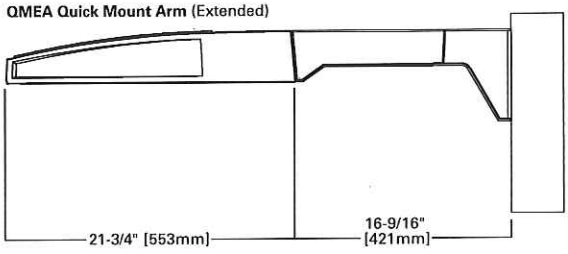
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)

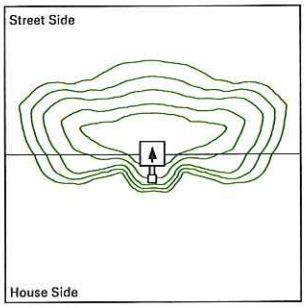


QUICK MOUNT ARM DATA

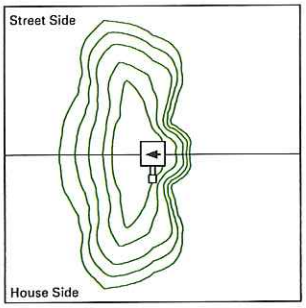
Number of Light Squares [1,2]	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 [3]	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. **2** QMEA option available with 1-6 light square configurations. **3** QMEA arm to be used when mounting two fixtures at 90° on a single pole.

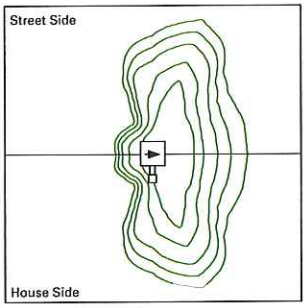
OPTIC ORIENTATION



Standard



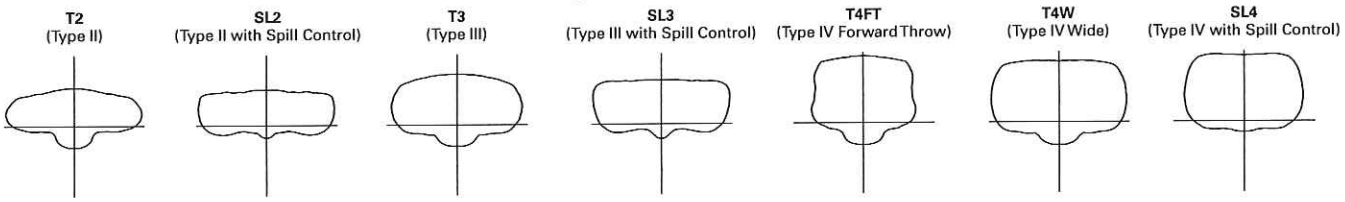
Optics Rotated Left @ 90° [L90]



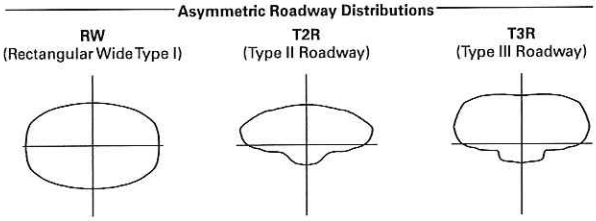
Optics Rotated Right @ 90° [R90]

OPTICAL DISTRIBUTIONS

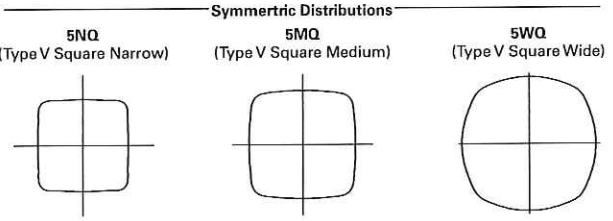
Asymmetric Area Distributions



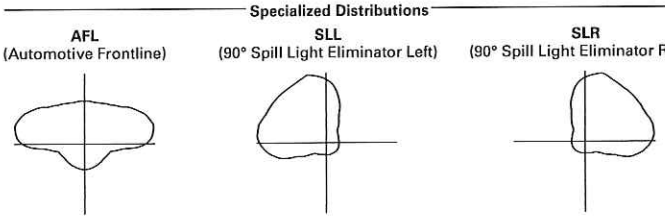
Asymmetric Roadway Distributions



Symmertric Distributions

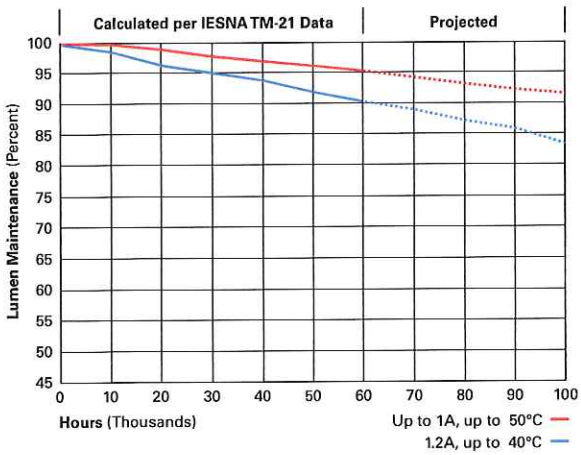


Specialized Distributions



LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

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1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
Nominal Power (Watts)		59	113	166	225	279	333	391	445	501	558
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.6	5.07
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41	1.67	1.89	2.12	2.39
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
Optics											
T2	4000K/5000K Lumens	6,116	11,951	17,833	23,563	29,195	34,937	41,317	46,814	52,221	57,817
	3000K Lumens	5,414	10,579	15,786	20,858	25,843	30,926	36,574	41,440	46,226	51,180
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T2R	4000K/5000K Lumens	6,493	12,688	18,932	25,015	30,994	37,090	43,863	49,699	55,439	61,380
	3000K Lumens	5,748	11,231	16,759	22,143	27,436	32,832	38,828	43,994	49,075	54,334
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
T3	4000K/5000K Lumens	6,234	12,181	18,176	24,017	29,756	35,609	42,111	47,715	53,225	58,930
	3000K Lumens	5,518	10,783	16,089	21,260	26,340	31,521	37,277	42,237	47,115	52,165
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
T3R	4000K/5000K Lumens	6,372	12,453	18,580	24,550	30,418	36,400	43,048	48,776	54,409	60,239
	3000K Lumens	5,640	11,023	16,447	21,732	26,926	32,221	38,106	43,177	48,163	53,324
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
T4FT	4000K/5000K Lumens	6,270	12,252	18,282	24,156	29,929	35,815	42,356	47,992	53,534	59,271
	3000K Lumens	5,550	10,845	16,183	21,383	26,493	31,703	37,494	42,483	47,388	52,467
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
T4W	[illegible]	6,189	12,094	18,045	23,844	29,543	35,352	41,809	47,372	52,843	58,506
	[illegible]	5,479	10,706	15,973	21,107	26,151	31,294	37,009	41,934	46,777	51,790
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL2	4000K/5000K Lumens	6,105	11,931	17,803	23,522	29,144	34,877	41,245	46,734	52,130	57,717
	3000K Lumens	5,404	10,561	15,759	20,822	25,798	30,873	36,510	41,369	46,145	51,091
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
SL3	4000K/5000K Lumens	6,233	12,180	18,174	24,013	29,753	35,604	42,106	47,708	53,218	58,921
	3000K Lumens	5,517	10,782	16,088	21,256	26,337	31,517	37,272	42,231	47,109	52,157
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
SL4	4000K/5000K Lumens	5,922	11,572	17,268	22,816	28,269	33,829	40,006	45,330	50,566	55,984
	3000K Lumens	5,242	10,244	15,286	20,197	25,024	29,945	35,413	40,126	44,761	49,557
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,429	12,563	18,746	24,768	30,688	36,723	43,429	49,208	54,891	60,775
	3000K Lumens	5,691	11,121	16,594	21,925	27,165	32,507	38,443	43,559	48,590	53,798
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5MQ	400	6,547	12,794	19,090	25,224	31,253	37,400	44,228	50,114	55,902	61,893
	300	5,795	11,325	16,898	22,328	27,665	33,106	39,151	44,361	49,484	54,788
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
5WQ	4000K/5000K Lumens	6,564	12,828	19,141	25,291	31,336	37,499	44,347	50,248	56,051	62,058
	3000K Lumens	5,810	11,355	16,944	22,388	27,739	33,194	39,256	44,480	49,616	54,934
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
SLL/SLR	4000K/5000K Lumens	5,478	10,703	15,970	21,102	26,145	31,286	37,001	41,924	46,765	51,777
	3000K Lumens	4,849	9,474	14,137	18,679	23,144	27,694	32,753	37,111	41,396	45,833
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,371	12,449	18,576	24,544	30,411	36,392	43,037	48,764	54,396	60,225
	3000K Lumens	5,640	11,020	16,443	21,726	26,920	32,214	38,096	43,166	48,151	53,311
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
AFL	4000K/5000K Lumens	6,394	12,494	18,644	24,634	30,521	36,524	43,194	48,942	54,593	60,444
	3000K Lumens	5,660	11,060	16,504	21,806	27,017	32,331	38,235	43,323	48,326	53,505
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4

BUG Rating U=0

BUG Rating U=0

* Nominal data for 70 CRI.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family [1,2]	Light Engine	Number of Light Squares [3]	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	**AF**=1A Drive Current	**01**=1 **02**=2 **03**=3 **04**=4 **05**=5 [4] **06**=6 **07**=7 [5] **08**=8 [5] **09**=9 [6] **10**=10 [6]	**LED**=Solid State Light Emitting Diodes	**E1**=120-277V **347**=347V [7] **480**=480V [7,8]	**T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White	**[Blank]**=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [12]

Y13 (single)
Y14 (single)
Y23 (twin)

Y13 (single)
Y23 (twin)

Y14 (single)

Options (Add as Suffix)	Accessories (Order Separately)
7030=70 CRI 3000K [13] **8030**=80 CRI 3000K [14] **7050**=70 CRI 5000K [13] **7060**=70 CRI 6000K [13] **600**=Drive Current Factory Set to Nominal 600mA [15] **800**=Drive Current Factory Set to Nominal 800mA [15] **1200**=Drive Current Factory Set to Nominal 1200mA [15,16] **F**=Single Fuse (120, 277 or 347V. Must Specify Voltage) **FF**=Double Fuse (208, 240 or 480V. Must Specify Voltage) **2L**=Two Circuits [17,18] **DIM**=External 0-10V Dimming Leads [19,20] **P**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Volatage) [21] **PER7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [21] **R**=NEMA Twistlock Photocontrol Receptacle [21] **AHD145**=After Hours Dim, 5 Hours [22] **AHD245**=After Hours Dim, 6 Hours [22] **AHD255**=After Hours Dim, 7 Hours [22] **AHD355**=After Hours Dim, 8 Hours [22] **HA**=50°C High Ambient [23] **MS/DIM-L08**=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height [24,25] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [24,26] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [24,27] **MS/DIM-L40W**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range) [24,28] **MS/X-L08**=Bi-Level Motion Sensor, Maximum 8' Mounting Height [24,25,29] **MS/X-L20**=Bi-Level Motion Sensor, 9' - 20' Mounting Height [24,26,29] **MS/X-L40**=Bi-Level Motion Sensor, 21' - 40' Mounting Height [22,27,29] **MS/X-L40W**=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range) [24,28,29] **MS-L08**=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height [24,25] **MS-L20**=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [24,26] **MS-L40**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [24,27] **MS-L40W**=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range) [24,28] **LWR-LW**=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height [30,(A)] **LWR-LN**=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height [30,(A)] **WOLC-7P-10A**=WaveLinx Wireless Outdoor Lighting Control Module [(B)] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **MT**=Factory Installed Mesh Top **TH**=Tool-less Door Hardware **LCF**=Light Square Trim Plate Painted to Match Housing [31] **HSS**=Factory Installed House Side Shield [32] **CE**=CE Marking [33]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [24] **GLEON-MT1**=Field Installed Mesh Top for 1-4 Light Squares **GLEON-MT2**=Field Installed Mesh Top for 5-6 Light Squares **GLEON-MT3**=Field Installed Mesh Top for 7-8 Light Squares **GLEON-MT4**=Field Installed Mesh Top for 9-10 Light Squares **GLEON-QM**=Quick Mount Arm Kit [10] **GLEON-QMEA**=Quick Mount Extended Arm Kit [11] **LS/HSS**=Field Installed House Side Shield [32,33] **WOLC-7P-10A**=WaveLinx Outdoor Control Module (7-pin) [35,(B)]

NOTES:
1 Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information. **2** DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. **3** Standard 4000K CCT and minimum 70 CRI. **4** Not compatible with MS/4-LXX or MS/1-LXX sensors. **5** Not compatible with extended quick mount arm (QMEA). **6** Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA). **7** Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A. **8** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **9** May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table. **10** Factory installed. **11** Maximum 8 light squares. **12** Maximum 6 light squares. **13** Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **14** Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website. **15** 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website. **16** Not available with HA option. **17** 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table. **18** Not available with LumaWatt Pro wireless sensors. **19** Cannot be used with other control options. **20** Low voltage control lead brought out 18" outside fixture. **21** Not available if any "MS" sensor is selected. Motion sensor has an integral photocell. **22** Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. **23** 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents. **24** The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information. **25** Approximately 22' detection diameter at 8' mounting height. **26** Approximately 40' detection diameter at 20' mounting height. **27** Approximately 60' detection diameter at 40' mounting height. **28** Approximately 100' detection diameter at 40' mounting height. **29** Replace X with number of Light Squares operating in low output mode. **30** LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information. **31** Not available with house side shield (HSS). **32** Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected. **33** CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only. **34** One required for each Light Square. **35** Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

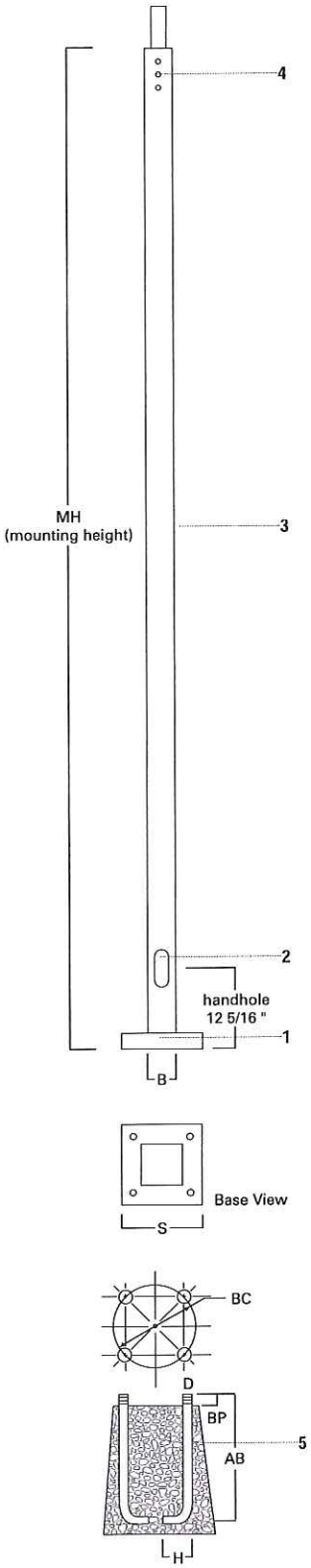
Product Family	Camera Type	Data Backhaul	
L=LumenSafe Technology* LumenSafe Technology CLICK HERE	**D**=Dome Camera	**C**=Cellular, Customer Installed SIM Card **A**=Cellular, Factory Installed AT&T SIM Card **V**=Cellular, Factory Installed Verizon SIM Card **S**=Cellular, Factory Installed Sprint SIM Card	**R**=Cellular, Factory Installed Rogers SIM Card **W**=Wi-Fi Networking w/ Omni-Directional Antenna **E**=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility. Not available with 9-10 light square housing. Not available with 347V, 480V or high ambient options.

SSS SQUARE STRAIGHT STEEL

10'—39' MOUNTING HEIGHT

Pole Single Head 25'



SPECIFICATION FEATURES

1 · · · ASTM Grade steel base plate with ASTM A366 base cover.

2 · · · Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole.

3 · · · ASTM A500 grade "B" steel shaft. Shot blasted and painted with polyester powder coat.

4 · · · Drilled or Tenon (specify).

5 · · · Anchor bolt per ASTM A576 with (2) nuts, (2) flat washer, and (1) lock washer. Nuts, washers and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

FOUR BOLT ANCHORAGE [See ordering information]

BC=Bolt Circle
BP=Bolt Projection
AB=Bolt Dimensions
D=Bolt Diameter
H=Bolt Dimensions

FINISH COLORS [See ordering information]

F=Dark Bronze
G=Galvanized
V=Grey
W=White
Y=Black

WARNING: THE USE OF UNAUTHORIZED ACCESSORIES SUCH AS BANNERS, SIGNS OR PENNANTS FOR WHICH THE POLE WAS NOT DESIGNED FOR VOIDS THE COOPER LIGHTING WARRANTY AND MAY RESULT IN POLE FAILURE CAUSING SERIOUS INJURY OR PROPERTY DAMAGE. COOPER LIGHTING'S POLE WARRANTY IS ALSO VOIDED IF LUMINAIRE IS NOT INSTALLED AT TIME OF POLE INSTALLATION.

ORDERING INFORMATION

SAMPLE NUMBER: SSS5A20SFM1XG

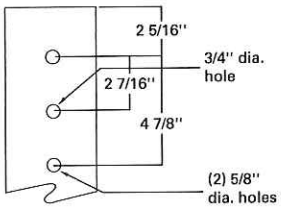
Square	Straight	Steel	Shaft [3] Size	Wall Thickness	Mounting Height (ft.)	Base Type	Finish	Fixture Mounting & Type	No. & Location of Arms	Arm Lengths	Accessories (Ground Lug)
S	S	S	5	A	20	S	F	M	1	X	G

Mtg. Height	Catalog [1,2] Number	Wall Thickness	Base Square (In.)	Bolt Circle Dia. (In.)	Bolt Proj. (In.)	Shaft Size (In.)	Anchor Bolt Dia. & Length (In.)	Net. Wt. (Lbs.)	EPA (Sq. Ft.) [4] At Pole Top				EPA (Sq. Ft.) [4] 2' Above Pole Top				Max. Fixture Load—Include Bracket (Lbs.)
MH			S	BC	BP	B	AB		70	80	90	100	70	80	90	100	
10	SSS4A10SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	96	39.8	29.9	23.2	18.4	33.0	24.8	19.3	15.3	150
15	SSS4A15SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	133	19.6	14.4	10.8	8.2	17.2	12.7	9.5	7.3	150
20	SSS4A20SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	152	12.9	9.1	6.5	4.6	11.7	8.2	5.9	4.2	200
25	SSS4A25SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	208	8.7	5.6	3.6	2.1	8.0	5.2	3.3	2.0	200
20	SSS5A20SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	202	21.9	15.7	11.6	8.5	19.9	14.3	10.5	7.7	200
25	SSS5A25SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	248	15.5	10.5	7.2	4.8	14.3	9.8	6.6	4.4	200
30	SSS5A30SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	293	8.2	4.6	2.1	--	7.7	4.3	2.0	--	300
35	SSS5M35SF	.188	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	480	11.8	7.1	3.8	1.5	11.1	6.6	3.6	1.4	300
25	SSS6A25SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	295	24.1	16.8	12.0	8.5	22.2	15.6	11.1	7.8	200
30	SSS6A30SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	347	14.0	8.7	5.0	2.5	13.1	8.2	4.7	2.3	300
30	SSS6M30SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	505	26.4	18.1	12.5	8.4	24.7	16.9	11.6	7.9	300
35	SSS6M35SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	584	19.7	12.7	7.9	4.4	18.6	12.0	7.5	4.2	300
35	SSS6X35SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	696	28.9	19.7	13.4	8.9	8.7	18.6	12.7	8.4	300
39	SSS6M39SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	647	15.4	9.1	4.8	1.8	14.6	8.7	4.6	1.7	300
39	SSS6X39SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	822	23.5	15.4	9.8	5.7	22.4	14.6	9.3	5.4	300

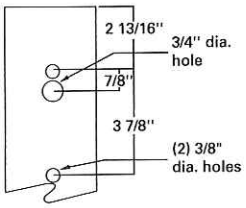
NOTES: 1 Catalog number includes pole with anchor bolts with double nuts (BEFORE INSTALLING ANCHOR BOLTS MAKE SURE PROPER ANCHOR BOLT TEMPLATE IS OBTAINED FROM COOPER LIGHTING).
2 Tenon size or machining for rectangular arms must be specified. Hand hole is located 180° from single arm.
3 Shaft size, base plate, anchor bolts and projections may vary slightly—all dimensions nominal.
4 EPA's based on shaft properties with wind normal to flat. EPA's calculated using base wind velocity as indicated plus 30% gust factor.

DRILLING PATTERN

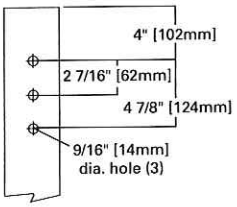
Type "M" [RCL, Landau, Galleria and Vision]



Type "E" [Concourse III]



Type "Z" [Credenza and Cirrus]



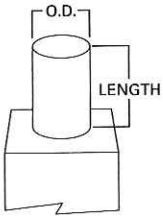
MACHINING FOR RECTANGULAR ARMS [Add as suffix]

Designation Letter & Number	Designation Letter & Number	Designation Letter & Number	Quantity & Location
M1	E1	Z1	Single
M2	E2	Z2	2 @ 180°
M3	E3	Z3	3 @ 120°
M4	E4	Z4	4 @ 90°
M5	E5	Z5	2 @ 90°
M6	E6	Z6	3 @ 90°
M7	E7	Z7	2 @ 120°

NOTES: Refer to Fixture Drilling Options on page 160.

MOUNTING OPTIONS [Add as suffix]

Fixed Tenon



Designation Number	O.D. (In.)	Length (In.)
1	2 3/8	3 1/2
2	2 3/8	4
3	3 1/2	5
9	3	4

ACCESSORIES

A=1/2" tapped hub [1]
B=3/4" tapped hub [1]
C=Convenience outlet [2]
G=Grounding lug (max. wire #8 AWG)
H=Additional hand hole and cover—12" below pole top—90° from hand hole.

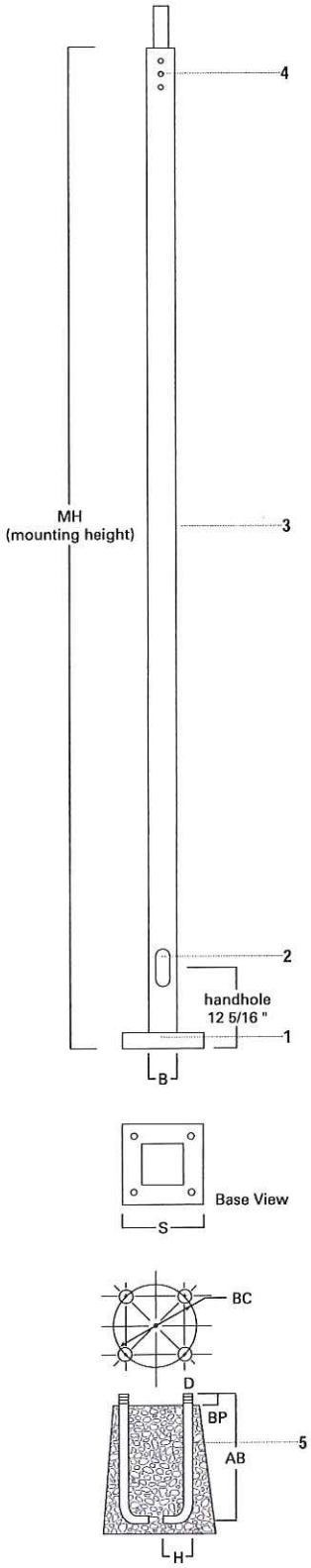
NOTES: 1 Location is 3' above base–90° from hand hole.
2 Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only.

NOTE: Specifications and dimensions subject to change without notice.

SSS SQUARE STRAIGHT STEEL

10'—39' MOUNTING HEIGHT

Pole Double Head 25'



SPECIFICATION FEATURES

1 ···ASTM Grade steel base plate with ASTM A366 base cover.

2 ···Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole.

3 ···ASTM A500 grade "B" steel shaft. Shot blasted and painted with polyester powder coat.

4 ···Drilled or Tenon (specify).

5 ···Anchor bolt per ASTM A576 with (2) nuts, (2) flat washer, and (1) lock washer. Nuts, washers and threaded portion of bolt are hot dip galvanized. 3" hook for 3/4" bolt. 4" hook for 1" bolt.

FOUR BOLT ANCHORAGE [See ordering information]

BC=Bolt Circle
BP=Bolt Projection
AB=Bolt Dimensions
D=Bolt Diameter
H=Bolt Dimensions

FINISH COLORS [See ordering information]

F=Dark Bronze
G=Galvanized
V=Grey
W=White
Y=Black

WARNING: THE USE OF UNAUTHORIZED ACCESSORIES SUCH AS BANNERS, SIGNS OR PENNANTS FOR WHICH THE POLE WAS NOT DESIGNED FOR VOIDS THE COOPER LIGHTING WARRANTY AND MAY RESULT IN POLE FAILURE CAUSING SERIOUS INJURY OR PROPERTY DAMAGE. COOPER LIGHTING'S POLE WARRANTY IS ALSO VOIDED IF LUMINAIRE IS NOT INSTALLED AT TIME OF POLE INSTALLATION.

ORDERING INFORMATION

SAMPLE NUMBER: SSS5A20SFM1XG

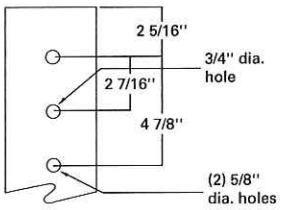
Square	Straight	Steel	Shaft [3] Size	Wall Thickness	Mounting Height (ft.)	Base Type	Finish	Fixture Mounting & Type	No. & Location of Arms	Arm Lengths	Accessories (Ground Lug)
S	S	S	5	A	20	S	F	M	1	X	G

Mtg. Height	Catalog [1,2] Number	Wall Thickness	Base Square (In.)	Bolt Circle Dia. (In.)	Bolt Proj. (In.)	Shaft Size (In.)	Anchor Bolt Dia. & Length (In.)	Net. Wt. (Lbs.)	EPA (Sq. Ft.) [4] At Pole Top				EPA (Sq. Ft.) [4] 2' Above Pole Top				Max. Fixture Load—Include Bracket (Lbs.)
MH			S	BC	BP	B	AB		70	80	90	100	70	80	90	100	
10	SSS4A10SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	96	39.8	29.9	23.2	18.4	33.0	24.8	19.3	15.3	150
15	SSS4A15SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	133	19.6	14.4	10.8	8.2	17.2	12.7	9.5	7.3	150
20	SSS4A20SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	152	12.9	9.1	6.5	4.6	11.7	8.2	5.9	4.2	200
25	SSS4A25SF	.120	10 1/2	11.0	4 1/2	4	3/4 x 25 x 3	208	8.7	5.6	3.6	2.1	8.0	5.2	3.3	2.0	200
20	SSS5A20SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	202	21.9	15.7	11.6	8.5	19.9	14.3	10.5	7.7	200
25	SSS5A25SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	248	15.5	10.5	7.2	4.8	14.3	9.8	6.6	4.4	200
30	SSS5A30SF	.120	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	293	8.2	4.6	2.1	--	7.7	4.3	2.0	--	300
35	SSS5M35SF	.188	10 1/2	11.0	4 1/2	5	3/4 x 25 x 3	480	11.8	7.1	3.8	1.5	11.1	6.6	3.6	1.4	300
25	SSS6A25SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	295	24.1	16.8	12.0	8.5	22.2	15.6	11.1	7.8	200
30	SSS6A30SF	.120	12 1/2	12.5	5	6	1 x 36 x 4	347	14.0	8.7	5.0	2.5	13.1	8.2	4.7	2.3	300
30	SSS6M30SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	505	26.4	18.1	12.5	8.4	24.7	16.9	11.6	7.9	300
35	SSS6M35SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	584	19.7	12.7	7.9	4.4	18.6	12.0	7.5	4.2	300
35	SSS6X35SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	696	28.9	19.7	13.4	8.9	8.7	18.6	12.7	8.4	300
39	SSS6M39SF	.188	12 1/2	12.5	5	6	1 x 36 x 4	647	15.4	9.1	4.8	1.8	14.6	8.7	4.6	1.7	300
39	SSS6X39SF	.250	12 1/2	12.5	5	6	1 x 36 x 4	822	23.5	15.4	9.8	5.7	22.4	14.6	9.3	5.4	300

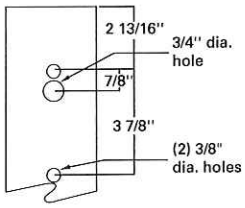
NOTES: 1 Catalog number includes pole with anchor bolts with double nuts (BEFORE INSTALLING ANCHOR BOLTS MAKE SURE PROPER ANCHOR BOLT TEMPLATE IS OBTAINED FROM COOPER LIGHTING).
2 Tenon size or machining for rectangular arms must be specified. Hand hole is located 180° from single arm.
3 Shaft size, base plate, anchor bolts and projections may vary slightly—all dimensions nominal.
4 EPA's based on shaft properties with wind normal to flat. EPA's calculated using base wind velocity as indicated plus 30% gust factor.

DRILLING PATTERN

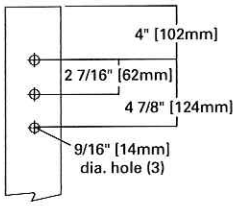
Type "M" [RCL, Landau, Galleria and Vision]



Type "E" [Concourse III]



Type "Z" [Credenza and Cirrus]



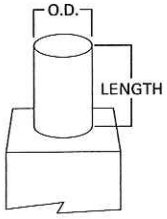
MACHINING FOR RECTANGULAR ARMS [Add as suffix]

Designation Letter & Number	Designation Letter & Number	Designation Letter & Number	Quantity & Location
M1	E1	Z1	Single
M2	E2	Z2	2 @ 180°
M3	E3	Z3	3 @ 120°
M4	E4	Z4	4 @ 90°
M5	E5	Z5	2 @ 90°
M6	E6	Z6	3 @ 90°
M7	E7	Z7	2 @ 120°

NOTES: Refer to Fixture Drilling Options on page 160.

MOUNTING OPTIONS [Add as suffix]

Fixed Tenon



Designation Number	O.D. (In.)	Length (In.)
1	2 3/8	3 1/2
2	2 3/8	4
3	3 1/2	5
9	3	4

ACCESSORIES

A=1/2" tapped hub [1]
B=3/4" tapped hub [1]
C=Convenience outlet [2]
G=Grounding lug (max. wire #8 AWG)
H=Additional hand hole and cover—
12" below pole top—90° from hand hole.

NOTES: 1 Location is 3' above base–90° from hand hole.
2 Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only.

NOTE: Specifications and dimensions subject to change without notice.