



1
A700

VIEW FROM NORTH EAST



2
A700

VIEW FROM WEST



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Milwaukee, Wisconsin 53213
(414) 291-0772 phone
www.galbraithcarnahan.com

WOODLANDS COMMUNITY BUILDING

8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

BUILDING
PERSPECTIVES

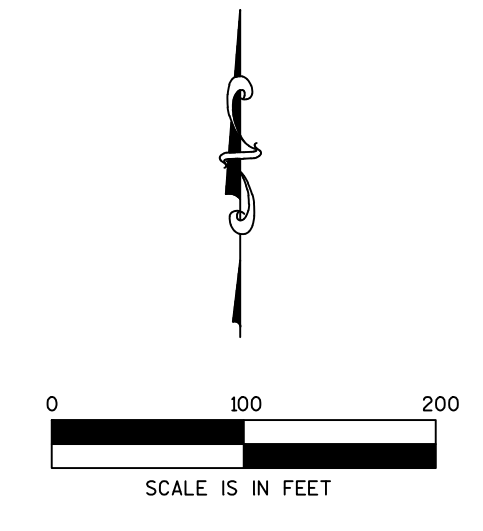
DATE: 02.16.2018
PROJECT #: 18.02

A700

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ARCHITECTS LLC

GENERAL NOTES:

1. LOCATION: 8951 N 95TH STREET NEAR BUILDING 8921, MILWAUKEE, WISCONSIN.



GGA
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WOODLANDS COMMUNITY BUILDING
8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

| DRAWING ISSUE | DATE |
|------------------|----------|
| 50% PROGRESS SET | 03.06.18 |
| 100% REVIEW SET | 04.03.18 |

PROJECT # 18.02

PROJECT OVERVIEW



C000

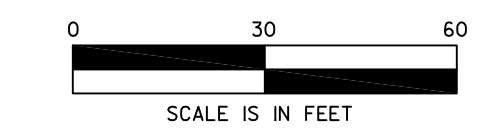
GENERAL NOTES:

1. LOCATION: 8951 N 95TH STREET NEAR BUILDING 8921, MILWAUKEE, WISCONSIN.
2. THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES, CITY OF MILWAUKEE, AND PRIVATE LOCATORS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.
3. ALL UTILITIES SHOWN ARE BASED ON FIELD MARKINGS/PRINTS PROVIDED BY DIGGER'S HOTLINE, AND RECORD DRAWINGS BY OTHERS. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AT 811 OR 1-800-242-8511 PRIOR TO PERFORMING EARTH MOVING OR EXCAVATION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY WHICH MAY BE PRESENT WHICH ARE NOT PART OF THE ONE CALL SYSTEM.
4. HORIZONTAL DATUM: WISCONSIN STATE PLANE COORDINATE SYSTEM
5. VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
6. SURVEY SIZE = 3.33 ACRES

PARTIAL PLAT OF SURVEY OF EXISTING CONDITIONS OF NORTH MEADOWS PLAT

LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 5, TOWNSHIP 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

NE COR. OF SE 1/4 OF SEC. 5-8-21 CONC. MON. W/ BRASS CAP N: 438116.940 E: 2526979.040



| MEASURE DOWN | | | | | | | |
|--------------|------|-------------|-----------|----------------|---------------|-------|-------------|
| POINT NUMBER | TYPE | CONNECTS TO | PIPE SIZE | PIPE DIRECTION | RIM ELEVATION | DEPTH | PIPE INVERT |
| 595 | SAMH | BLDG 8901 | 8" | E | 752.64 | 14.1 | 738.54 |
| | SAMH | BLDG 8911 | 8" | SW | 752.64 | 14.2 | 738.44 |
| | SAMH | 602 | 8" | NW | 752.64 | 14.5 | 738.14 |
| 596 | SSMH | BLDG | 8" | SW | 753.22 | 8.4 | 744.82 |
| | SSMH | BLDG 8911 | 8" | W | 753.22 | 9.1 | 744.12 |
| | SSMH | BLDG 8901 | 8" | E | 753.22 | 9.1 | 744.12 |
| | SSMH | 597 | 12" | NW | 753.22 | 9.8 | 743.42 |
| 597 | CB | 596 | 12" | SE | 747.01 | 6.0 | 741.01 |
| | CB | 604 | 12" | NE | 747.01 | 6.1 | 740.91 |
| 602 | SAMH | BLDG 8921 | 8" | W | 747.13 | 11.2 | 735.93 |
| | SAMH | 595 | 8" | SE | 747.13 | 11.4 | 735.73 |
| | SAMH | 603 | 8" | NE | 747.13 | 11.7 | 735.43 |
| 603 | SAMH | 602 | 8" | SW | 750.86 | 16.2 | 734.66 |
| | SAMH | BLDG 8941 | 8" | E | 750.86 | 16.2 | 734.66 |
| | SAMH | 904 | 8" | N | 750.86 | 16.5 | 734.36 |
| 604 | SSMH | BLDG 8941 | 10" | E | 751.28 | 12.2 | 739.08 |
| | SSMH | 597 | 12" | SW | 751.28 | 12.2 | 739.08 |
| | SSMH | 903 | 12" | N | 751.28 | 12.7 | 738.58 |
| 885 | CB | 903 | 21" | E | 740.86 | 7.1 | 733.76 |
| | CB | OFF SITE | 27" | W | 740.86 | 6.7 | 734.16 |
| 903 | CB | 604 | 12" | S | 742.21 | 6.3 | 735.91 |
| | CB | OFF SITE | 12" | N | 742.21 | 6.4 | 735.81 |
| | CB | 885 | 21" | W | 742.21 | 7.0 | 735.21 |
| 904 | SAMH | 603 | 8" | S | 743.42 | 11.1 | 732.32 |
| | SAMH | OFF SITE | 8" | N | 743.42 | 11.2 | 732.22 |

BENCHMARK TABLE

| PT. NO. | NORTHING | EASTING | DESCRIPTION | ELEV. |
|---------|------------|-------------|-------------|---------|
| 283 | 436403.327 | 2526514.332 | CP MAG NAIL | 749.727 |
| 284 | 436596.904 | 2526493.315 | CP MAG NAIL | 747.817 |
| 285 | 436523.575 | 2526637.144 | CP MAG NAIL | 748.786 |
| 769 | 436599.568 | 2526689.023 | CP MAG NAIL | 749.472 |
| 959 | 436714.702 | 2526502.386 | CP | 743.985 |

LEGEND

NOTE: STANDARD LEGEND, NOT ALL INFORMATION SHOWN IS NEEDED

- | | |
|----------------------|----------------------------|
| ⊕ IRON PIPE | —SS— TREE LINE |
| ♿ HANDICAP STALL | —G— UG GAS LINE |
| ⊙ SINGLE POST SIGN | —SAN— UG SANITARY |
| ⊗ GAS/ELECTRIC METER | —FO— UG FIBER OPTIC |
| ⊙ POST | —W— UG WATER |
| ⊙ PEDESTAL | —OH— OVERHEAD |
| ⊙ WATER VALVE | —X— GENERIC FENCE |
| ⊙ GAS VALVE | —MON— MONUMENT |
| ⊙ MAN HOLE | —RBM— REFERENCE BENCH MARK |
| ⊙ CONIFEROUS TREE | —CP— CONTROL POINT |
| ⊙ DECIDUOUS TREE | —SAMH— SANITARY MAN HOLE |
| ⊙ TREE STUMP | —CB— CATCH BASIN |
| ⊙ FIRE HYDRANT | —FF— FINISH FLOOR |
| ⊙ NAIL | |
| ⊙ VENT | |
| ⊙ CONCRETE | |

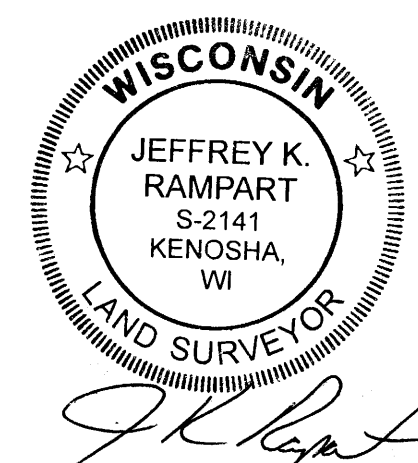
PARTIAL PLAT OF SURVEY OF EXISTING CONDITIONS, PREPARED FOR: TEAM MANAGEMENT, LLC.

THE FIELD WORK WAS COMPLETED ON AUGUST 17, 2017

DATE OF PLAT: 2/16/2018

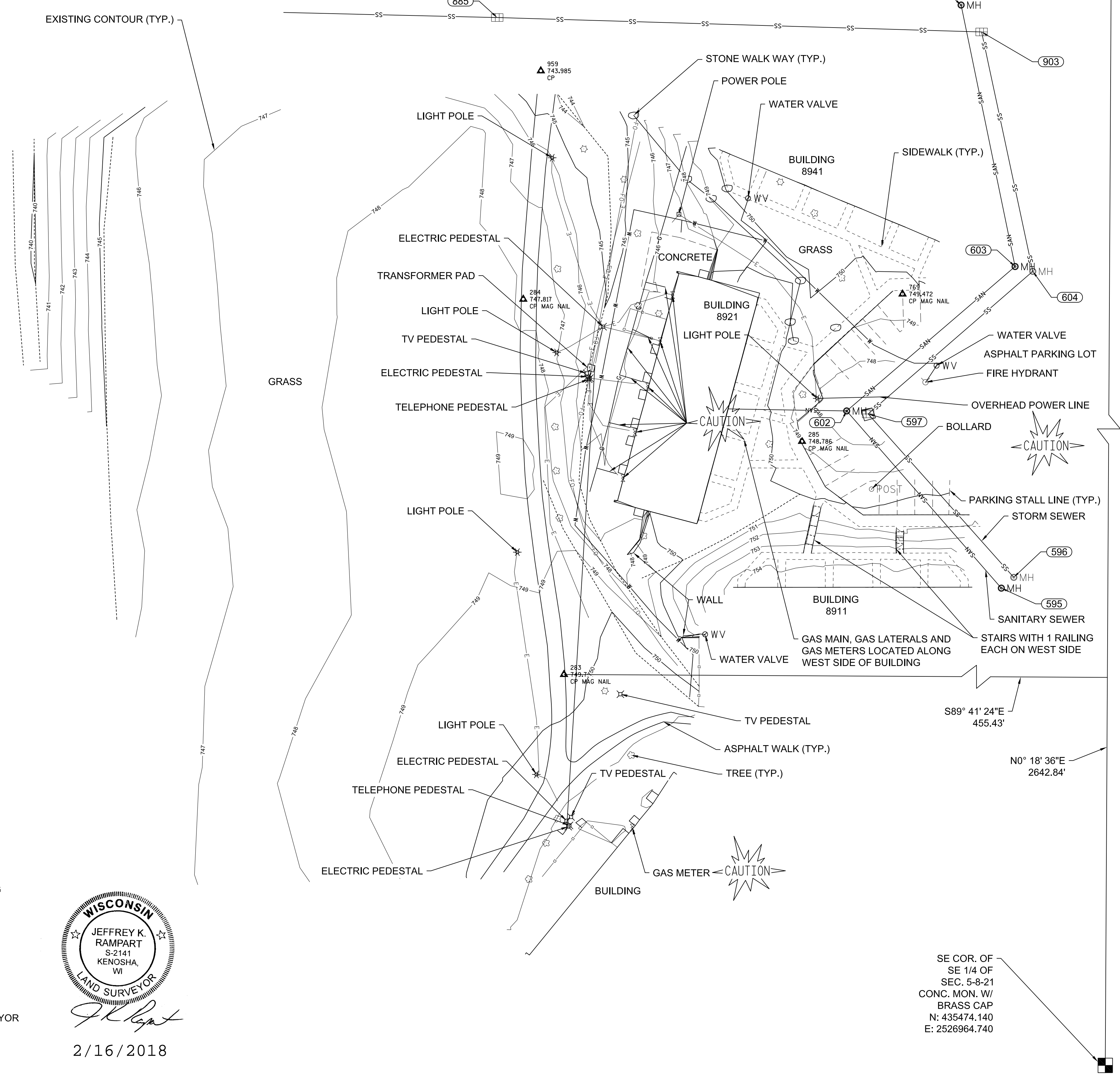
BY JEFFREY K. RAMPART

WISCONSIN REGISTERED LAND SURVEYOR LICENSE NO. S-2141 DATED FEBRUARY 16, 2017



2/16/2018

EXISTING CONTOUR (TYP.)



KSingh Engineers Scientists Consultants
3636 North 124th Street Wauwatosa, WI 53222 262-821-1171

CONSULTANT
CONSULTANT
CONSULTANT

TITLE: PARTIAL PLAT OF SURVEY OF EXISTING CONDITIONS
CLIENT: TEAM MANAGEMENT, LLC
PROJECT LOCATION: 8951 N. 95TH STREET MILWAUKEE, WI

| REVISIONS | DATE | DESCRIPTION |
|-----------|-----------|-------------|
| 01 | 2/16/2018 | PLAT |

DRAWN BY: JAF DATE: 2/15/2018
CHECKED BY: JKR DATE: 2/15/2018

SHEET TITLE: PARTIAL PLAT OF SURVEY OF EXISTING CONDITIONS

C002

EROSION CONTROL NOTES

- CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF WEST ALLIS AND EMPLOY EROSION CONTROL METHODS AS SHOWN IN THE DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS WHICH CAN BE FOUND AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html
- ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5" OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AND REMOVAL OF ALL SEDIMENT AND ALL SEDIMENT CONTROL STRUCTURES. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH DAY. ALL RECORDS OF THE INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL BE KEPT BY THE OWNER'S REPRESENTATIVE RESPONSIBLE FOR EROSION CONTROL INSPECTIONS.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL
- ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO SEVEN DAYS MUST BE IMMEDIATELY RESTORED WITH SEED AND MULCH.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15, STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER; STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- RESTORATION OF ALL DISTURBED AREAS WITH SLOPES GREATER THAN 20% SHALL BE COMPLETED WITHIN 30 DAYS AFTER BEGINNING CONSTRUCTION ON SAID AREA.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY CITY OF WEST ALLIS/OWNER/ OR ENGINEER. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD #1068 DUST CONTROL FOR CONSTRUCTION SITES.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO RECEIVING CHANNEL.
- IF DEWATERING IS NEEDED, CONTRACTOR SHALL PROVIDE FOR SEDIMENT REMOVAL ACCORDING TO WDNR TECHNICAL STANDARD #1061. WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS, GRIT CHAMBERS, SAND FILTERS, UPSLOPE CHAMBERS, HYDRO-CYCLONES, SWIRL CONCENTRATORS, OR OTHER APPROPRIATE CONTROLS. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR RECEIVING CHANNELS.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES, OR THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD #1061 DEWATERING.

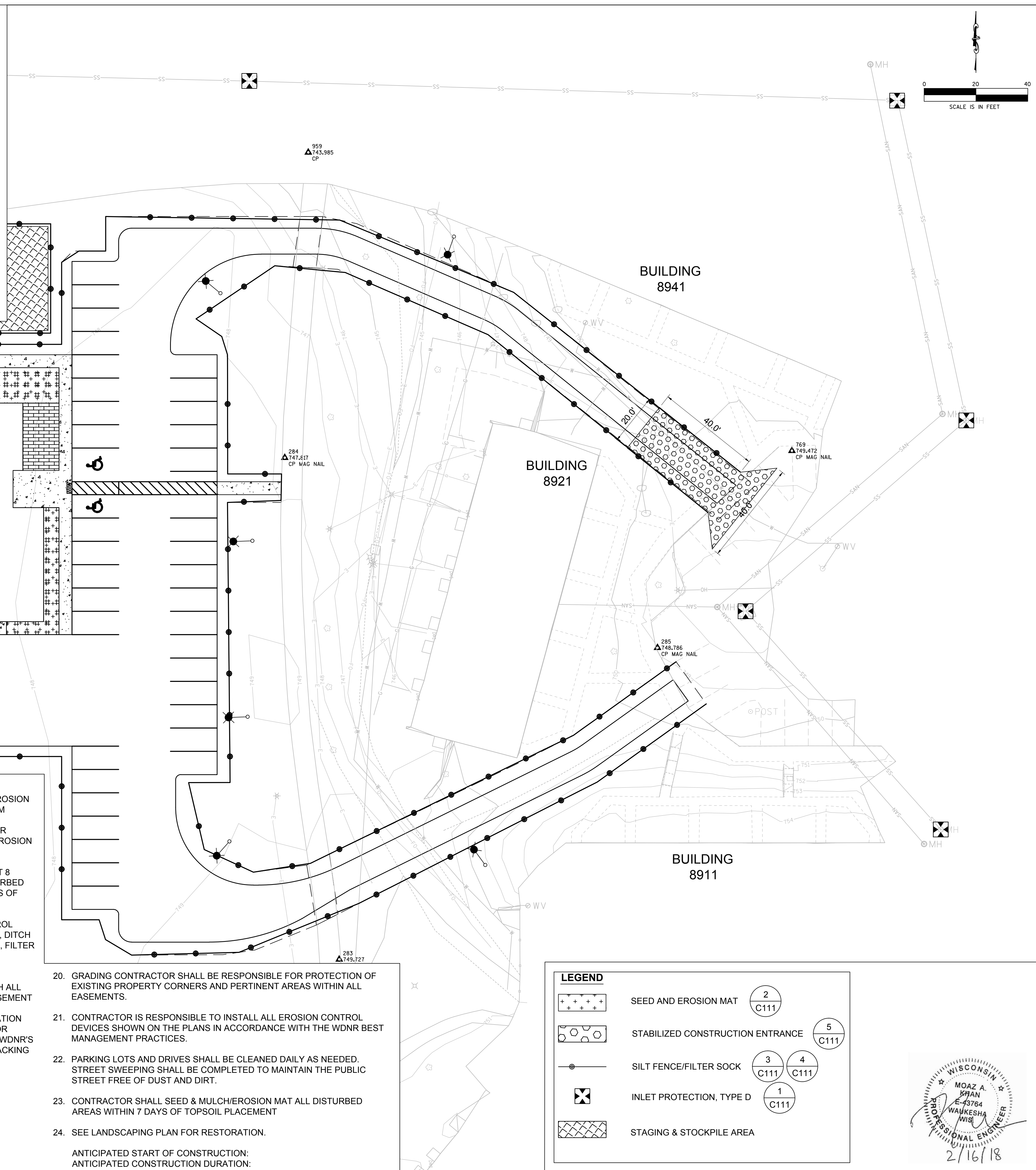
PRACTICES UNTIL CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

- SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ALL TOPSOIL AND FILL STOCKPILES.
- ALL OFF-SITE SEDIMENT DEPOSITS FROM THIS PROJECT OCCURRING AS RESULT OF A STORM EVENT SHALL BE CLEANED UP BY END OF NEXT WORKING DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY END OF THE WORK DAY.
- CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:
 - INSTALL SILT FENCE.
 - INSTALL INLET PROTECTION ON EXISTING STORM INLETS.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT.
 - STRIP TOPSOIL, REMOVE AND/OR STOCKPILE.
 - INSTALL SILT FENCE AROUND STOCKPILE.
 - PERFORM ROUGH GRADING.
 - INSTALL UTILITIES.
 - INSTALL INLET PROTECTION.
 - CONSTRUCT BUILDING.
 - INSTALL PAVEMENTS.
 - REMOVE ACCUMULATED SEDIMENT FROM SITE.
 - REMOVE EROSION CONTROL MEASURES ONLY WHEN SITE IS FULLY STABILIZED.

- FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS 1 TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WISDOT'S PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD #1052 NON-CHANNEL EROSION MAT.
- MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.) AS NEEDED OR AS DIRECTED BY CITY OF WEST ALLIS.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT <http://dnr.wi.gov/topic/brownfields/botw.html>

- GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING PROPERTY CORNERS AND PERTINENT AREAS WITHIN ALL EASEMENTS.
- CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EROSION CONTROL DEVICES SHOWN ON THE PLANS IN ACCORDANCE WITH THE WDNR BEST MANAGEMENT PRACTICES.
- PARKING LOTS AND DRIVES SHALL BE CLEANED DAILY AS NEEDED. STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN THE PUBLIC STREET FREE OF DUST AND DIRT.
- CONTRACTOR SHALL SEED & MULCH/EROSION MAT ALL DISTURBED AREAS WITHIN 7 DAYS OF TOPSOIL PLACEMENT
- SEE LANDSCAPING PLAN FOR RESTORATION.

ANTICIPATED START OF CONSTRUCTION:
ANTICIPATED CONSTRUCTION DURATION:



LEGEND

| | | |
|--|----------------------------------|-----------|
| | SEED AND EROSION MAT | 2 C111 |
| | STABILIZED CONSTRUCTION ENTRANCE | 5 C111 |
| | SILT FENCE/FILTER SOCK | 3 C111 |
| | INLET PROTECTION, TYPE D | 4 C111 |
| | INLET PROTECTION, TYPE D | 1 C111 |
| | STAGING & STOCKPILE AREA | |



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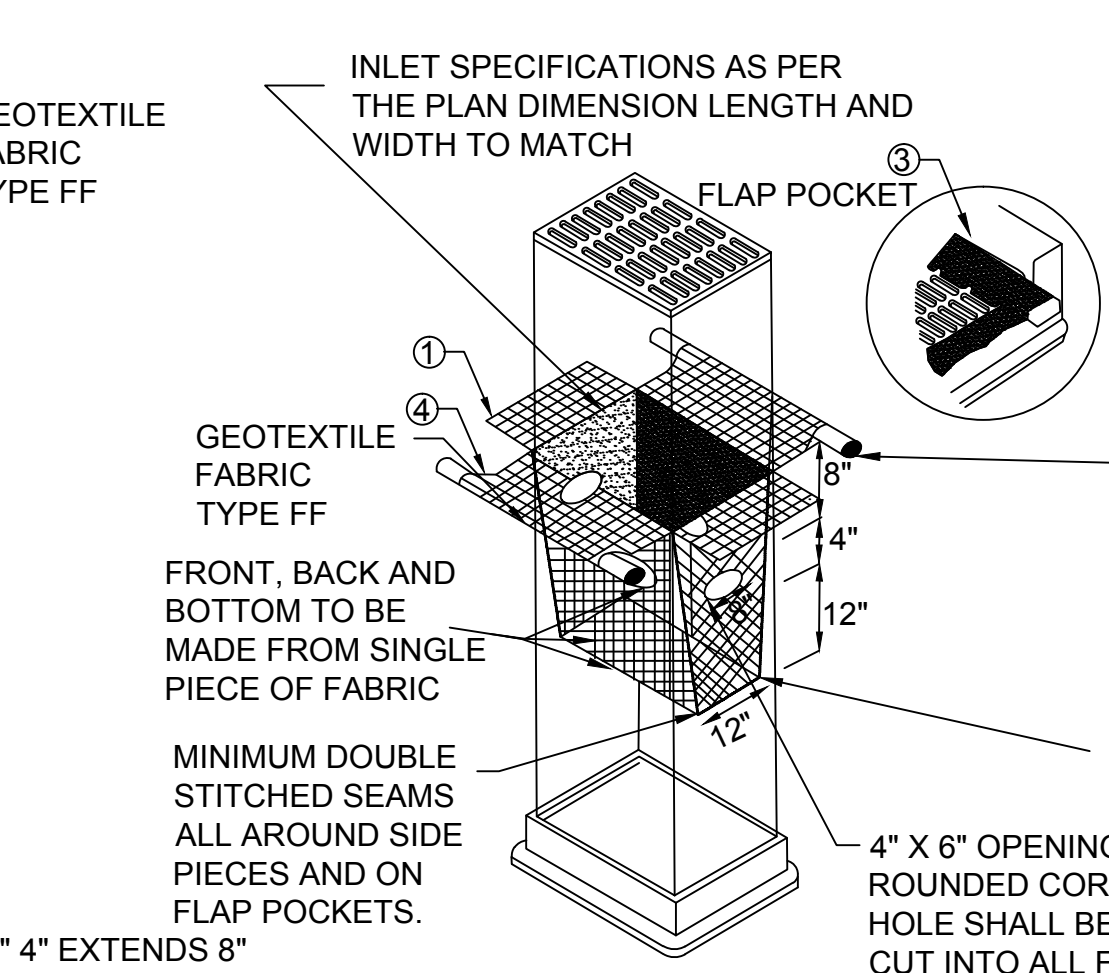
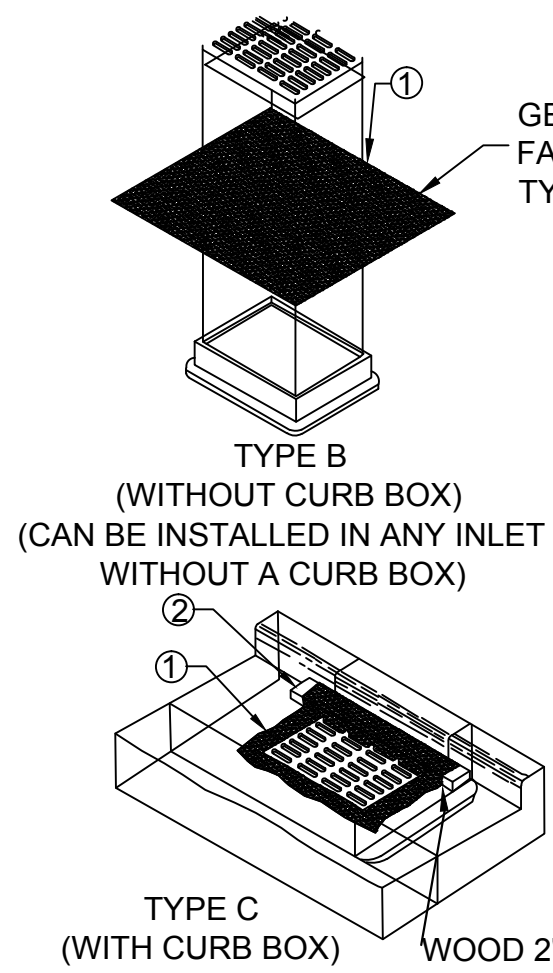
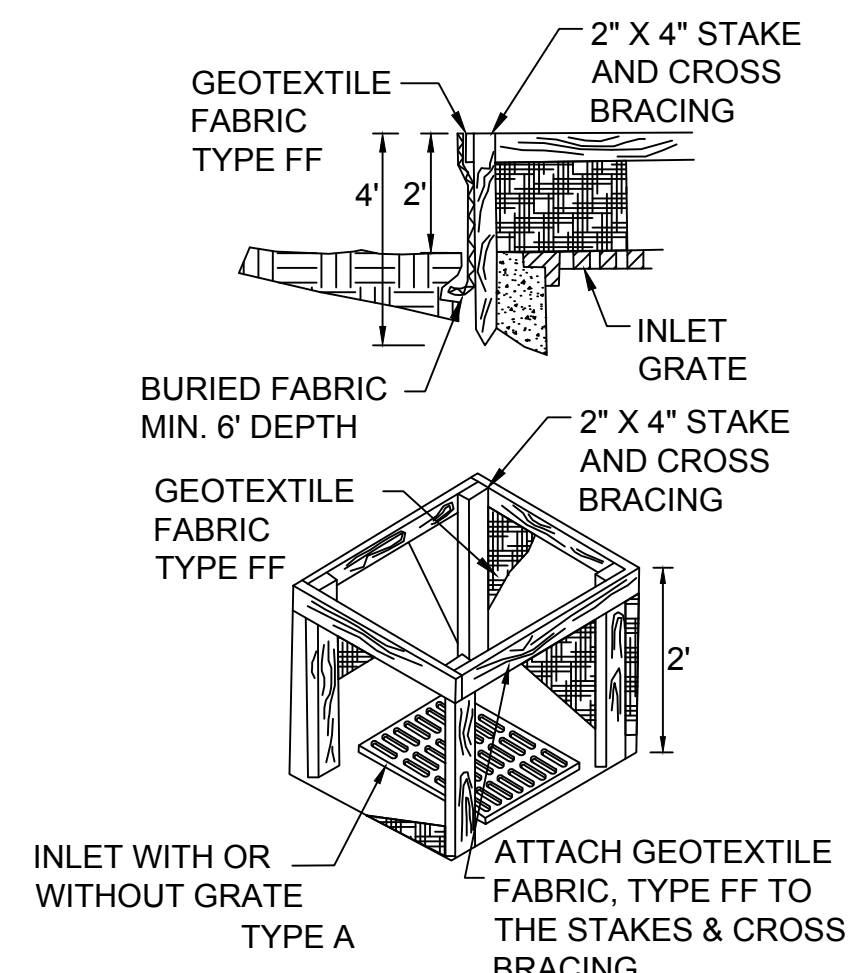
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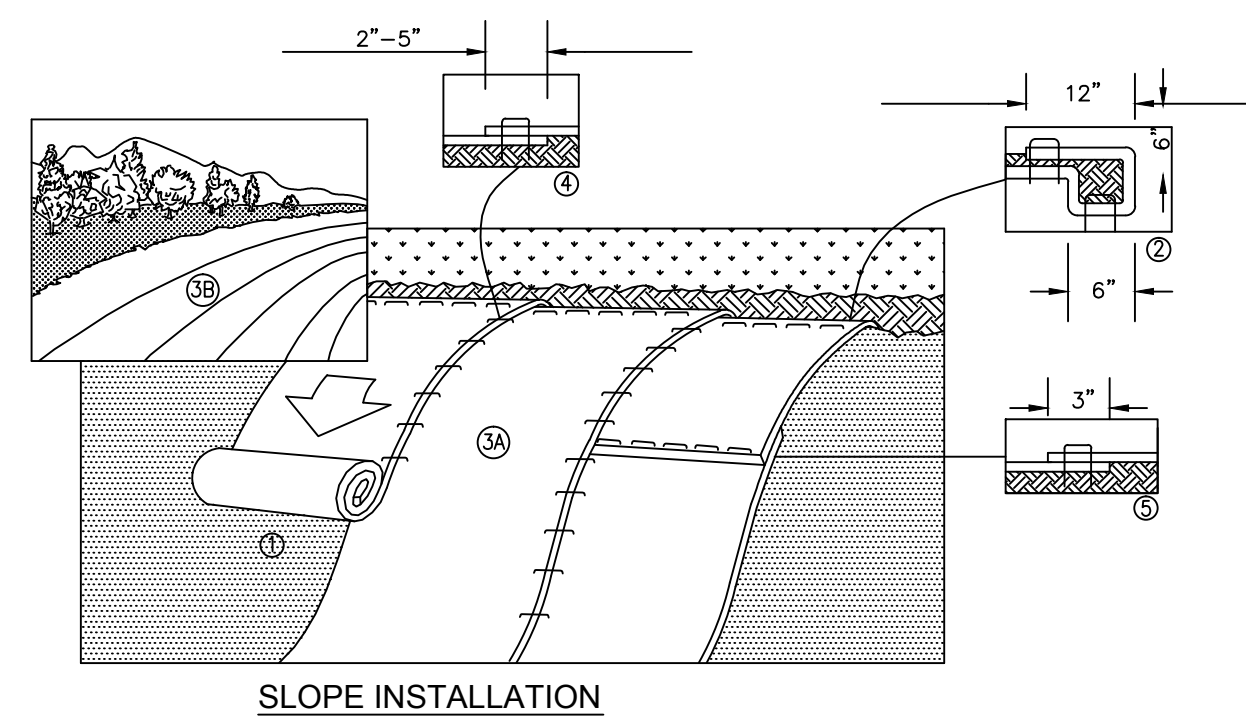
PROJECT # 18.02
CIVIL EROSION CONTROL PLAN

C110



USE REBAR OR STEEL ROD FOR REMOVAL OR FOR INLETS WITH CAST CURB BOX USE WOOD 2" X 4", EXTEND 10" BEYOND GRATE WIDTH ON BOTH SIDES, LENGTH VARIES, SECURE TO GRATE WITH WIRE OR PLASTIC TIES.

TAPER BOTTOM OF BAG TO MAINTAIN 3" SEPARATION BETWEEN THE BAG AND THE STRUCTURE AT THE OVERFLOW HOLES



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM) DEEP X 6" (15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.

- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.
 3. IN LOOSE SOIL CONDITIONS THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

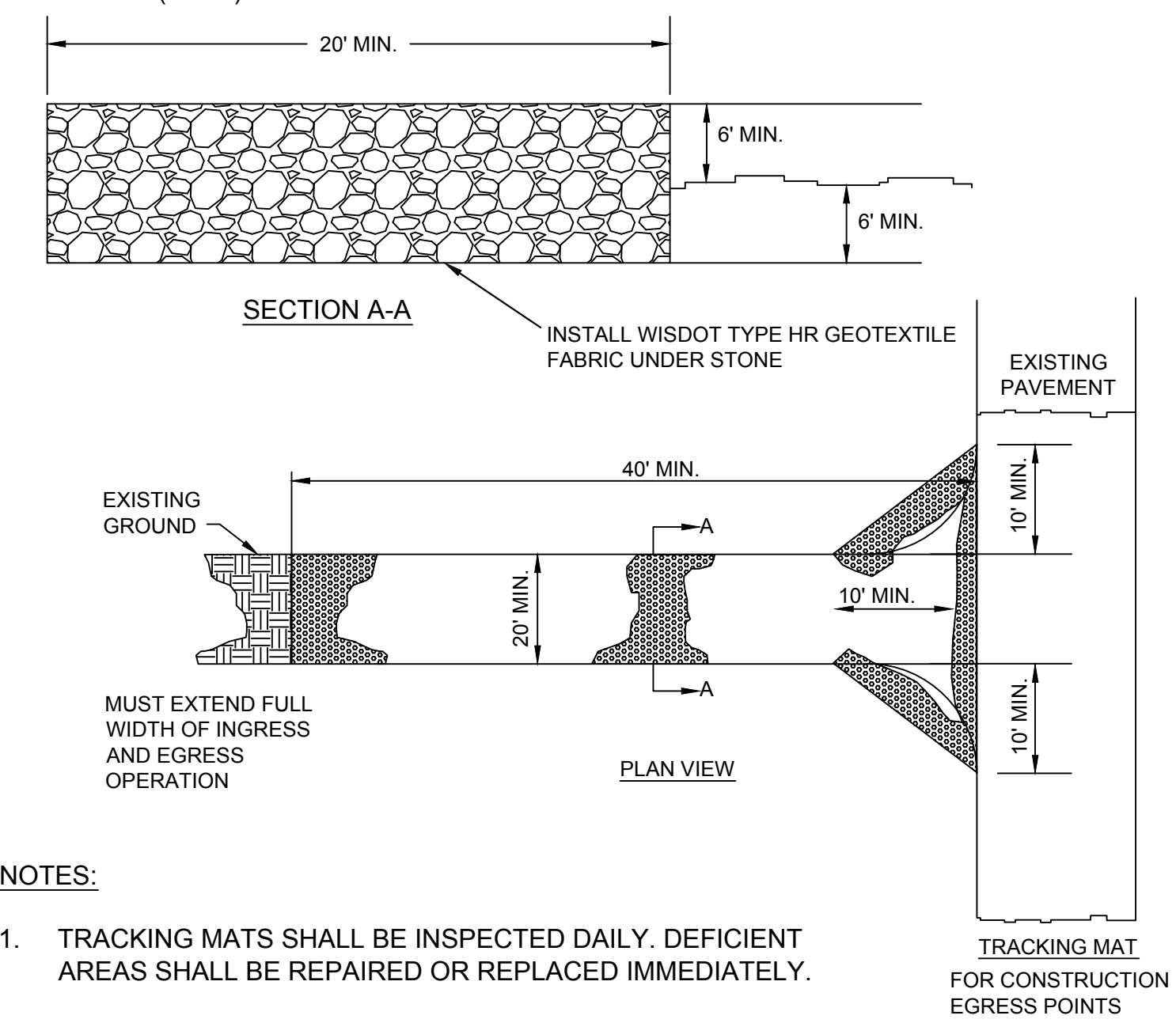
GENERAL NOTES:

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. FOR INLET PROTECTION, TYPE C (WITH CURB BOX) AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"x4". THE REBAR, STEEL PIPE OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
4. FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING AND MAINTAINING FILTER BAG.
5. INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
6. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
7. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

INSTALLATION NOTES:

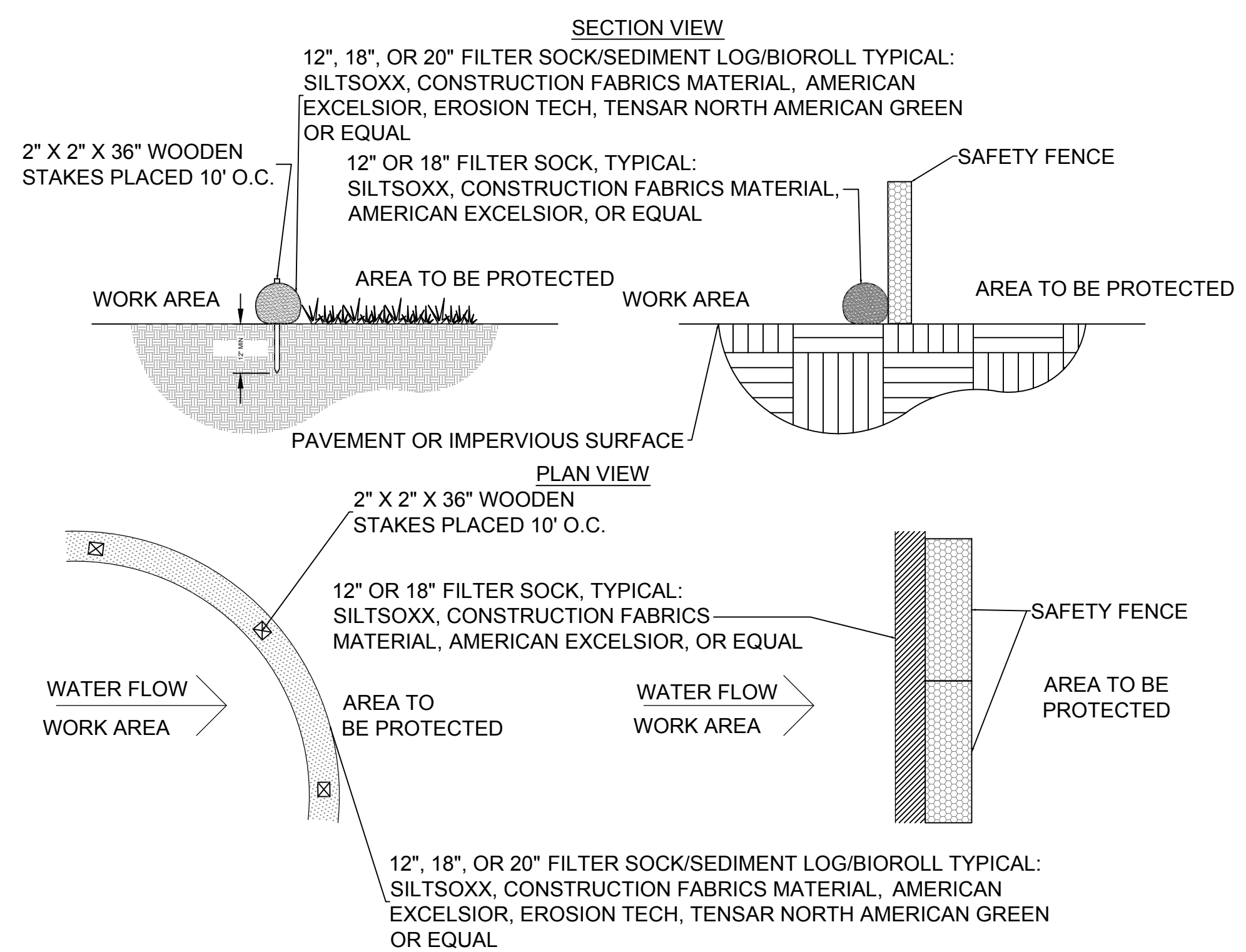
- TYPE B & C**
1. TYPE FF GEOTEXTILE FABRIC (EXTEND FABRIC A MINIMUM OF 10" AROUND GRATE PERIMETER FOR MAINTENANCE OR REMOVAL.
 2. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
- TYPE D**
1. DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
 2. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE, THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

2 EROSION MAT INSTALLATION NTS

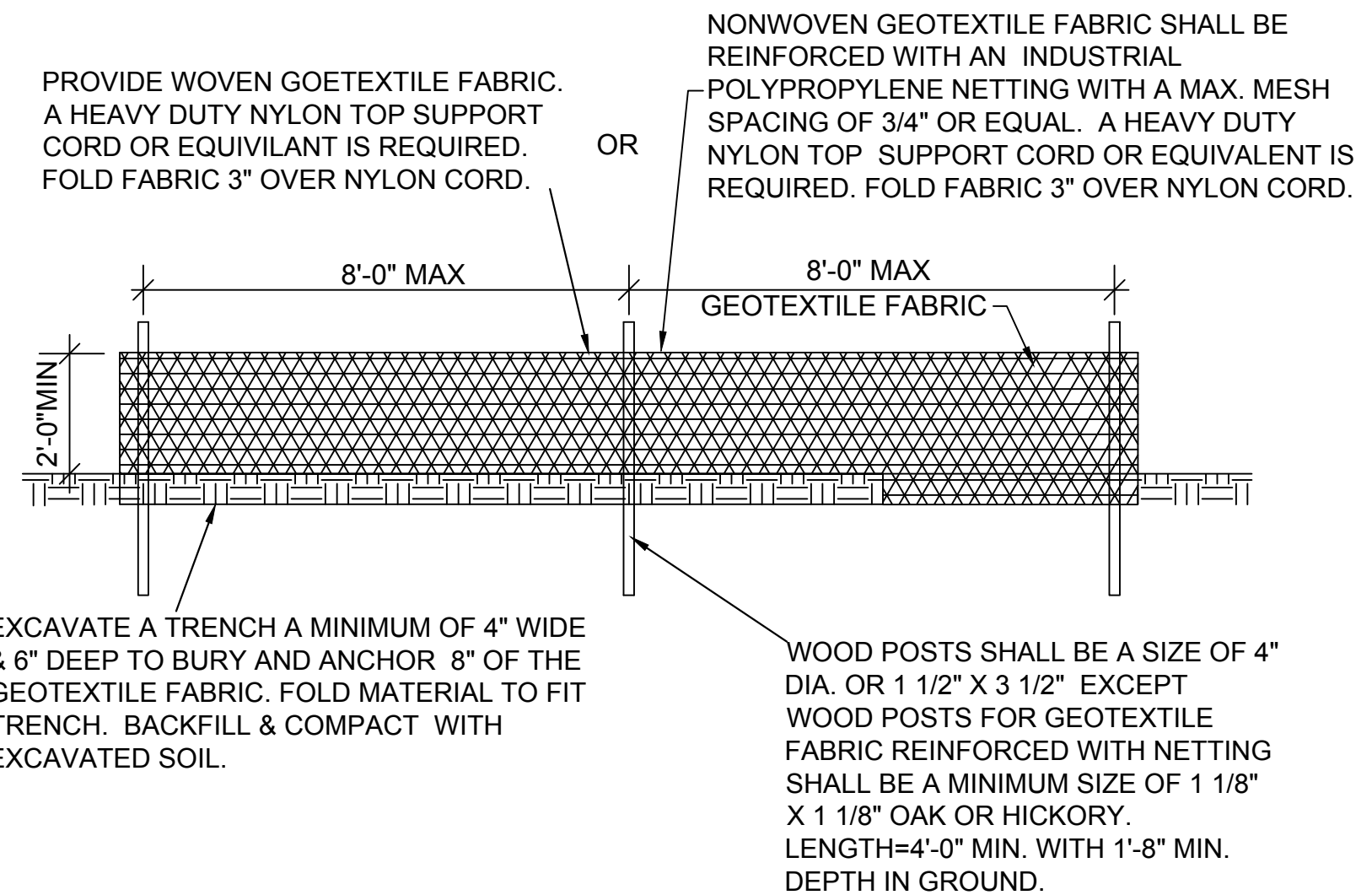


NOTES:

1. TRACKING MATS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
2. STONE - CLEAR OR WASHED (3"-6") SHALL BE PLACED AT LEAST 12" DEEP OVER THE LENGTH AND WIDTH OF ENTRANCE).
3. SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" OF STONE OVER THE PIPE TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.
4. LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.



3 FILTER SOCK NTS



NOTES:

1. CONTRACTOR SHALL INSPECT SILT FENCE DAILY AND REPAIR OR REPLACE AS NEEDED. SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN DEPOSITS REACH 1/2 THE HEIGHT OF THE FENCE.
2. ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH AND NAILS.

4 SILT FENCE NTS

5 STABILIZED CONSTRUCTION ENTRANCE NTS



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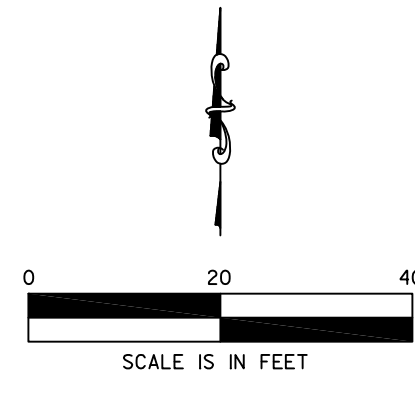
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DRAWING ISSUE DATE
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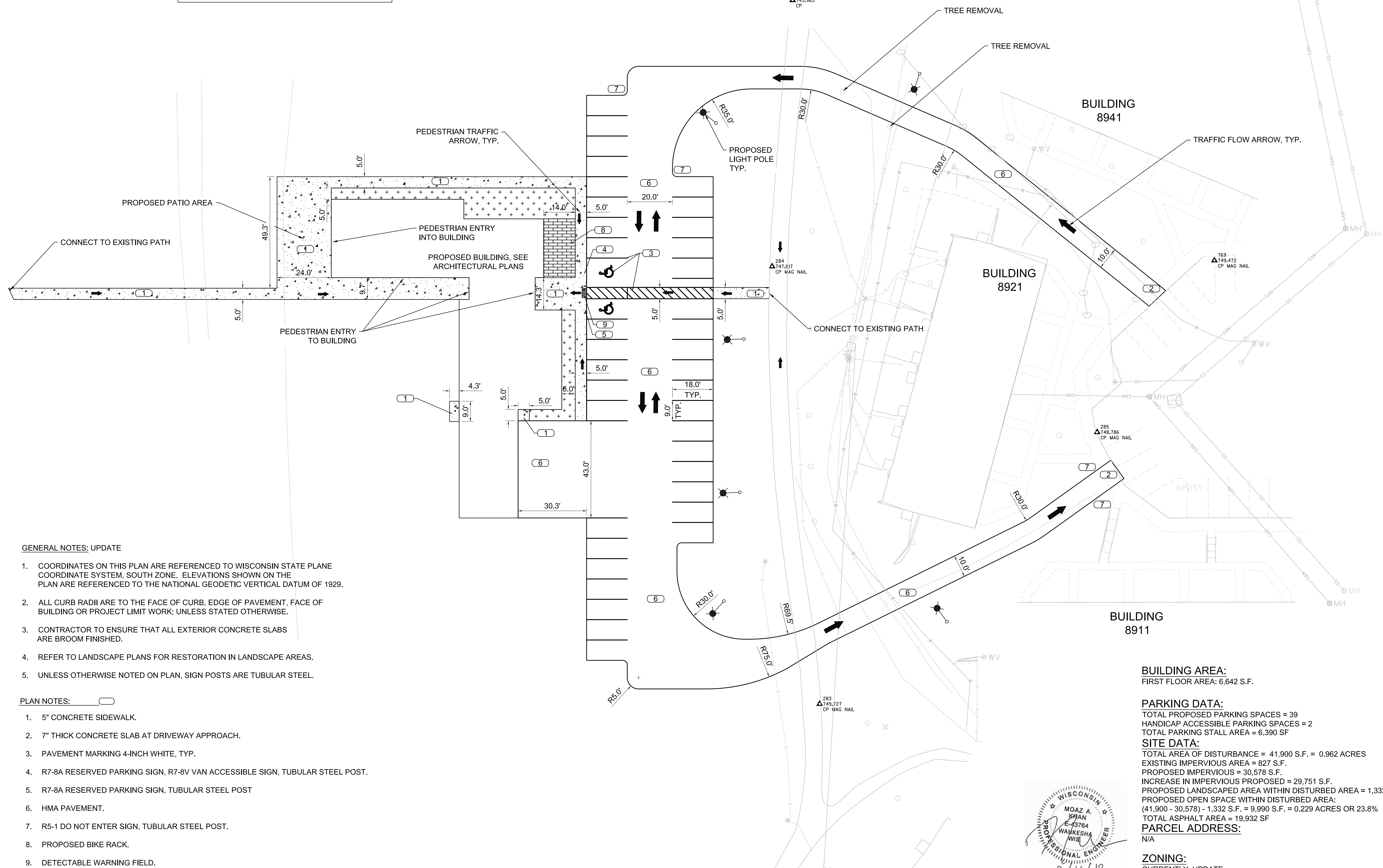
CIVIL SITE PLAN

C200



LEGEND

-  NEW CONCRETE PAVEMENT/SIDEWALK
-  LANDSCAPING, SEE LANDSCAPING PLANS FOR DETAILS
-  BRICK PAVERS, SEE ARCHITECTURAL PLANS FOR DETAILS



- GENERAL NOTES: UPDATE**
- COORDINATES ON THIS PLAN ARE REFERENCED TO WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE. ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
 - ALL CURB RADII ARE TO THE FACE OF CURB, EDGE OF PAVEMENT, FACE OF BUILDING OR PROJECT LIMIT WORK; UNLESS STATED OTHERWISE.
 - CONTRACTOR TO ENSURE THAT ALL EXTERIOR CONCRETE SLABS ARE BROOM FINISHED.
 - REFER TO LANDSCAPE PLANS FOR RESTORATION IN LANDSCAPE AREAS.
 - UNLESS OTHERWISE NOTED ON PLAN, SIGN POSTS ARE TUBULAR STEEL.

- PLAN NOTES:**
- 5" CONCRETE SIDEWALK.
 - 7" THICK CONCRETE SLAB AT DRIVEWAY APPROACH.
 - PAVEMENT MARKING 4-INCH WHITE, TYP.
 - R7-8A RESERVED PARKING SIGN, R7-8V VAN ACCESSIBLE SIGN, TUBULAR STEEL POST.
 - R7-8A RESERVED PARKING SIGN, TUBULAR STEEL POST
 - HMA PAVEMENT.
 - R5-1 DO NOT ENTER SIGN, TUBULAR STEEL POST.
 - PROPOSED BIKE RACK.
 - DETECTABLE WARNING FIELD.

BUILDING AREA:
FIRST FLOOR AREA: 6,642 S.F.

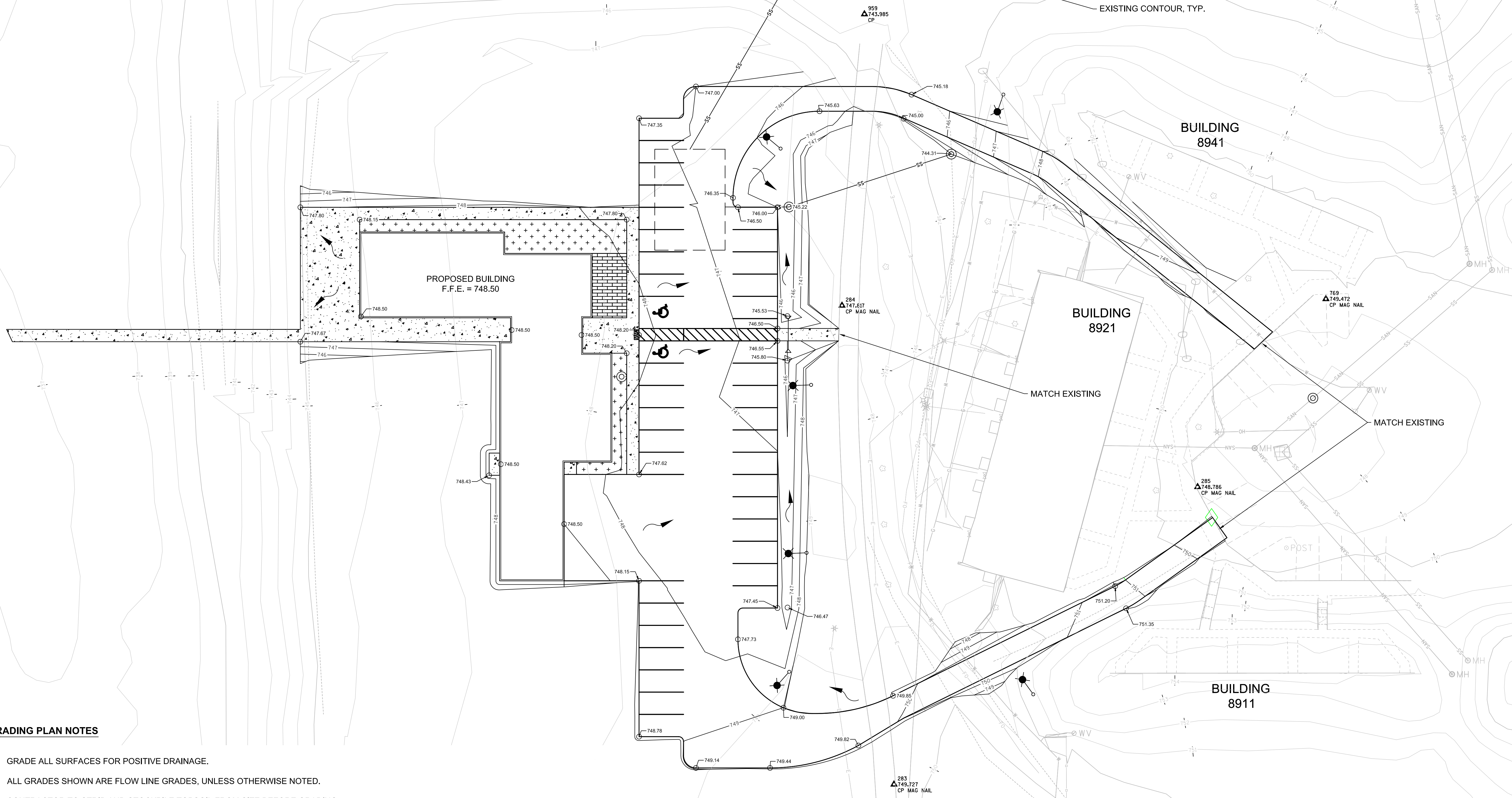
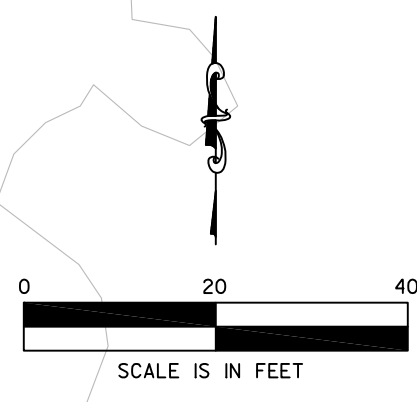
PARKING DATA:
TOTAL PROPOSED PARKING SPACES = 39
HANDICAP ACCESSIBLE PARKING SPACES = 2
TOTAL PARKING STALL AREA = 6,390 SF

SITE DATA:
TOTAL AREA OF DISTURBANCE = 41,900 S.F. = 0.962 ACRES
EXISTING IMPERVIOUS AREA = 827 S.F.
PROPOSED IMPERVIOUS = 30,578 S.F.
INCREASE IN IMPERVIOUS PROPOSED = 29,751 S.F.
PROPOSED LANDSCAPED AREA WITHIN DISTURBED AREA = 1,332 S.F.
PROPOSED OPEN SPACE WITHIN DISTURBED AREA:
(41,900 - 30,578) - 1,332 S.F. = 9,990 S.F. = 0.229 ACRES OR 23.8%
TOTAL ASPHALT AREA = 19,932 SF

PARCEL ADDRESS:
N/A

ZONING:
CURRENTLY: UPDATE
PROPOSED: UPDATE





GRADING PLAN NOTES

1. GRADE ALL SURFACES FOR POSITIVE DRAINAGE.
2. ALL GRADES SHOWN ARE FLOW LINE GRADES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO STRIP AND STOCKPILE TOPSOIL FROM SITE BEFORE GRADING.
4. ALL UTILITIES WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO PROPOSED GRADING BY THE CONTRACTOR, UNLESS A GRADE MATCH IS INDICATED AT A SPECIFIC UTILITY.
5. FINAL ADJUSTMENTS SHALL BE MADE AT THE TIME OF PAVING TO MATCH THE PAVEMENT SURFACE.
6. UTILITY OWNERS SHALL BE CONTACTED PRIOR TO ADJUSTMENTS.
7. UTILITY OWNERS SHALL HAVE THE OPTION OF PERFORMING THE WORK THEMSELVES OR HAVING THE CONTRACTOR PERFORM THE WORK.
8. THE CONTRACTOR SHALL PAY ALL FEES, PERMITS, AND DEPOSITS FOR THE ADJUSTMENT WORK.
9. ALL ADJUSTMENT WORK SHALL BE TO THE SPECIFICATIONS OF THE UTILITY OWNER AND IN ACCORDANCE WITH ANY REQUIRED PERMITS.
10. PAVEMENT RESTORATIONS SHALL MEET ADJACENT EXISTING PAVEMENTS AS A FLUSH MATCH.
11. RESTORE ALL DISTURBED AREA (NOT SCHEDULED FOR LANDSCAPING OR RESTORATION) WITH 4" SALVAGED TOPSOIL AND GRASS SEED WITH MULCH.

| LEGEND | |
|--------|-----------------------------|
| | NEW SPOT GRADE |
| | EXISTING SPOT GRADE |
| | NEW SPOT GRADE BACK OF CURB |
| | NEW GRADING CONTOUR |
| | DRAINAGE FLOW PATH |



6528 West North Avenue
Milwaukee, Wisconsin 53213
(414) 291-0772 phone
www.galbraithcarnahan.com

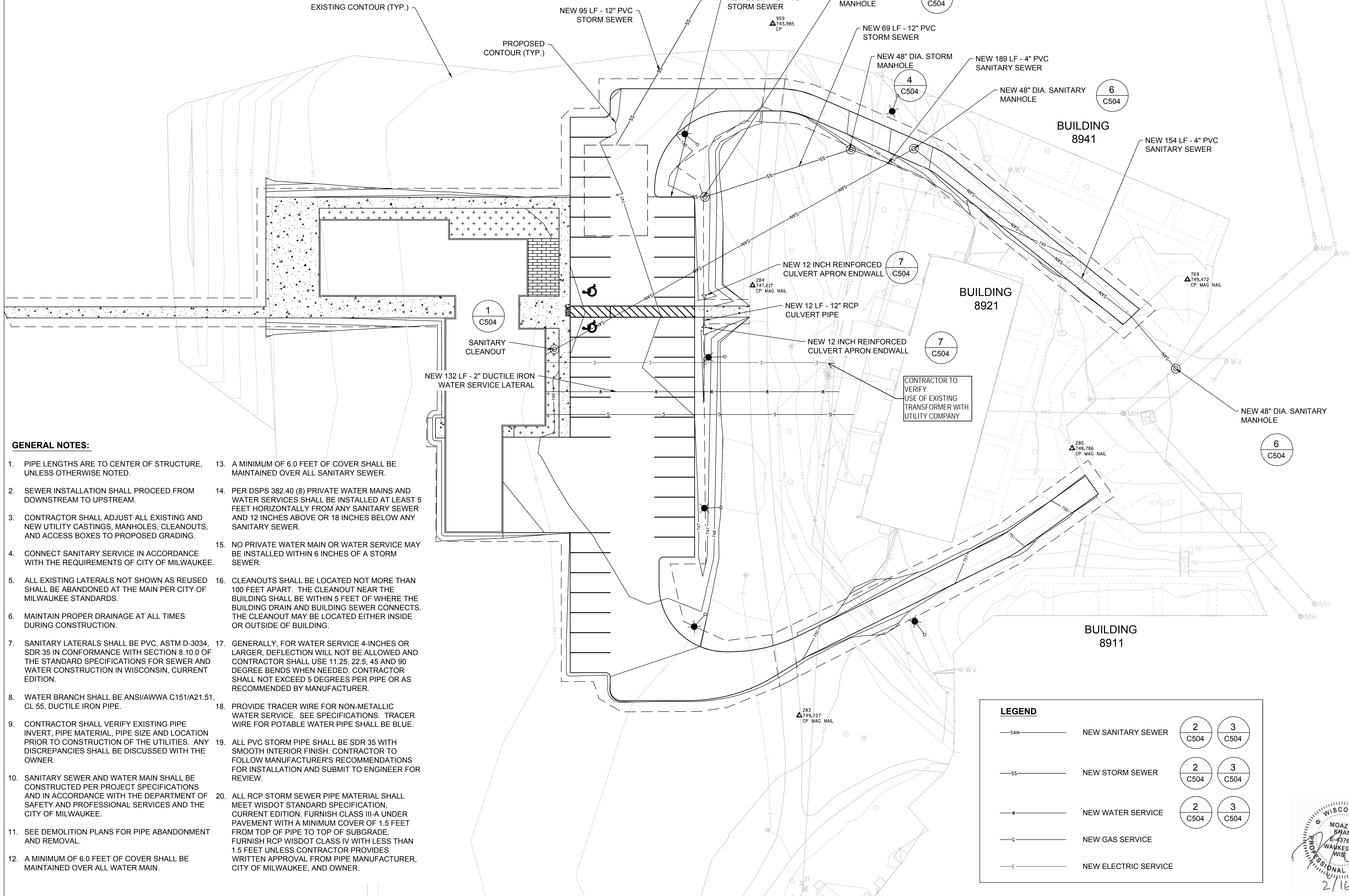
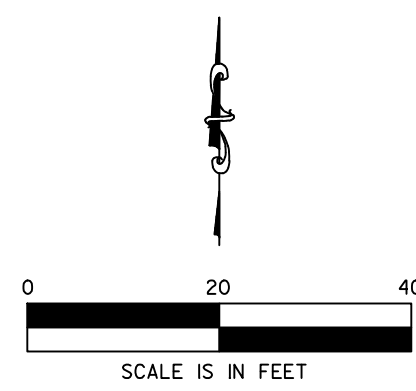
CONSULTANT
KSingh
3636 N. 124th Street
Wauwatosa, WI 53222
P: (262) 321-1171
www.krsinghengineering.com

WOODLANDS COMMUNITY BUILDING
8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

DRAWING ISSUE DATE
50% PROGRESS SET 03.06.18
100% REVIEW SET 04.03.18

PROJECT # 18.02
CIVIL GRADING PLAN

C300



GENERAL NOTES:

1. PIPE LENGTHS ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
2. SEWER INSTALLATION SHALL PROCEED FROM DOWNSTREAM TO UPSTREAM.
3. CONTRACTOR SHALL ADJUST ALL EXISTING AND NEW UTILITY CASTINGS, MANHOLES, CLEANOUTS, AND ACCESS BOXES TO PROPOSED GRADING.
4. CONNECT SANITARY SERVICE IN ACCORDANCE WITH THE REQUIREMENTS OF CITY OF MILWAUKEE.
5. ALL EXISTING LATERALS NOT SHOWN AS REUSED SHALL BE ABANDONED AT THE MAIN PER CITY OF MILWAUKEE STANDARDS.
6. MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
7. SANITARY LATERALS SHALL BE PVC, ASTM D-3034, SDR 35 IN CONFORMANCE WITH SECTION 8.10.0 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITION.
8. WATER BRANCH SHALL BE ANSI/AWWA C151/A21.51, CL 55, DUCTILE IRON PIPE.
9. CONTRACTOR SHALL VERIFY EXISTING PIPE INVERT, PIPE MATERIAL, PIPE SIZE AND LOCATION PRIOR TO CONSTRUCTION OF THE UTILITIES. ANY DISCREPANCIES SHALL BE DISCUSSED WITH THE OWNER.
10. SANITARY SEWER AND WATER MAIN SHALL BE CONSTRUCTED PER PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND THE CITY OF MILWAUKEE.
11. SEE DEMOLITION PLANS FOR PIPE ABANDONMENT AND REMOVAL.
12. A MINIMUM OF 6.0 FEET OF COVER SHALL BE MAINTAINED OVER ALL WATER MAIN.
13. A MINIMUM OF 6.0 FEET OF COVER SHALL BE MAINTAINED OVER ALL SANITARY SEWER.
14. PER DSPS 382.40 (8) PRIVATE WATER MAINS AND WATER SERVICES SHALL BE INSTALLED AT LEAST 5 FEET HORIZONTALLY FROM ANY SANITARY SEWER AND 12 INCHES ABOVE OR 18 INCHES BELOW ANY SANITARY SEWER.
15. NO PRIVATE WATER MAIN OR WATER SERVICE MAY BE INSTALLED WITHIN 6 INCHES OF A STORM SEWER.
16. CLEANOUTS SHALL BE LOCATED NOT MORE THAN 100 FEET APART. THE CLEANOUT NEAR THE BUILDING SHALL BE WITHIN 5 FEET OF WHERE THE BUILDING DRAIN AND BUILDING SEWER CONNECTS. THE CLEANOUT MAY BE LOCATED EITHER INSIDE OR OUTSIDE OF BUILDING.
17. GENERALLY, FOR WATER SERVICE 4-INCHES OR LARGER, DEFLECTION WILL NOT BE ALLOWED AND CONTRACTOR SHALL USE 11.25, 22.5, 45 AND 90 DEGREE BENDS WHEN NEEDED. CONTRACTOR SHALL NOT EXCEED 5 DEGREES PER PIPE OR AS RECOMMENDED BY MANUFACTURER.
18. PROVIDE TRACER WIRE FOR NON-METALLIC WATER SERVICE. SEE SPECIFICATIONS. TRACER WIRE FOR POTABLE WATER PIPE SHALL BE BLUE.
19. ALL PVC STORM PIPE SHALL BE SDR 35 WITH SMOOTH INTERIOR FINISH. CONTRACTOR TO FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND SUBMIT TO ENGINEER FOR REVIEW.
20. ALL RCP STORM SEWER PIPE MATERIAL SHALL MEET WISDOT STANDARD SPECIFICATION, CURRENT EDITION. FURNISH CLASS III-A UNDER PAVEMENT WITH A MINIMUM COVER OF 1.5 FEET FROM TOP OF PIPE TO TOP OF SUBGRADE. FURNISH RCP WISDOT CLASS IV WITH LESS THAN 1.5 FEET UNLESS CONTRACTOR PROVIDES WRITTEN APPROVAL FROM PIPE MANUFACTURER, CITY OF MILWAUKEE, AND OWNER.

| LEGEND | |
|--------|--|
| | NEW SANITARY SEWER 2 C504 3 C504 |
| | NEW STORM SEWER 2 C504 3 C504 |
| | NEW WATER SERVICE 2 C504 3 C504 |
| | NEW GAS SERVICE |
| | NEW ELECTRIC SERVICE |



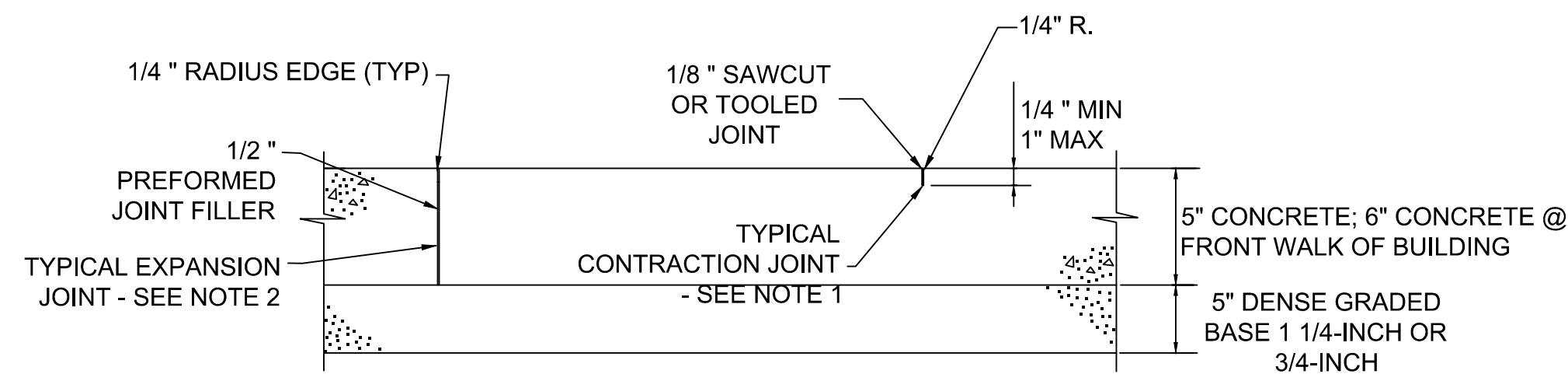
WOODLANDS COMMUNITY BUILDING
8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

DRAWING ISSUE DATE
50% PROGRESS SET XX.XX.18

PROJECT # 18.02

CIVIL UTILITY PLAN

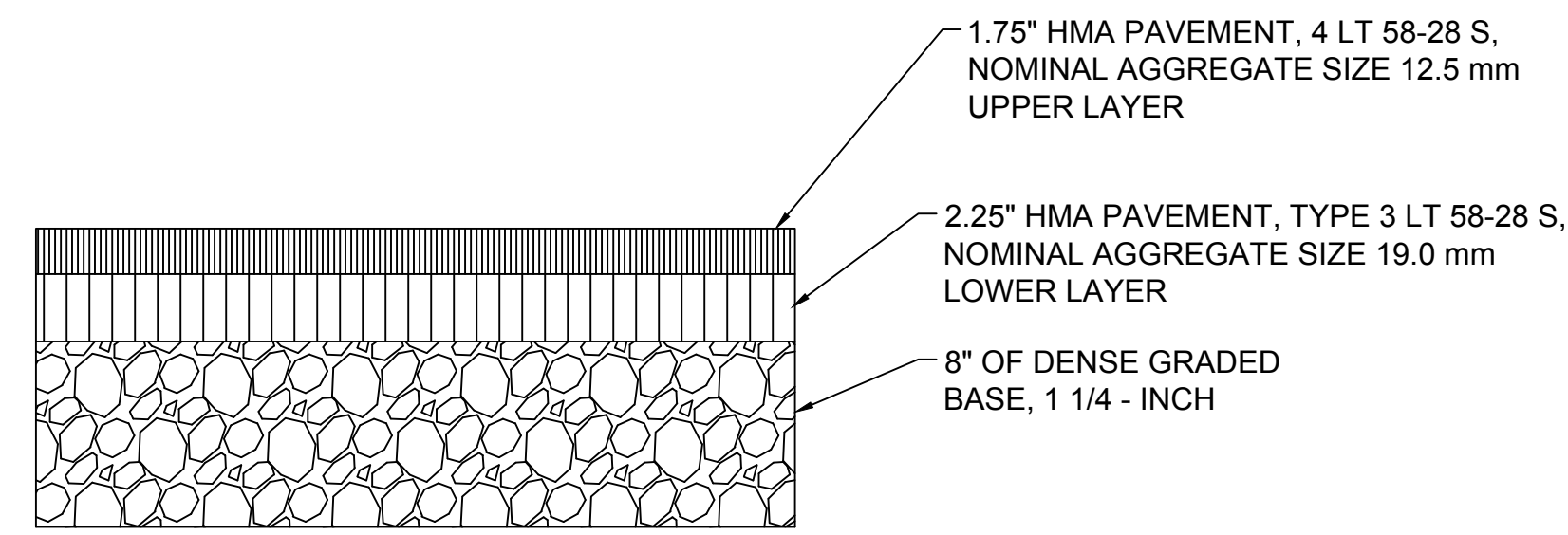
C400



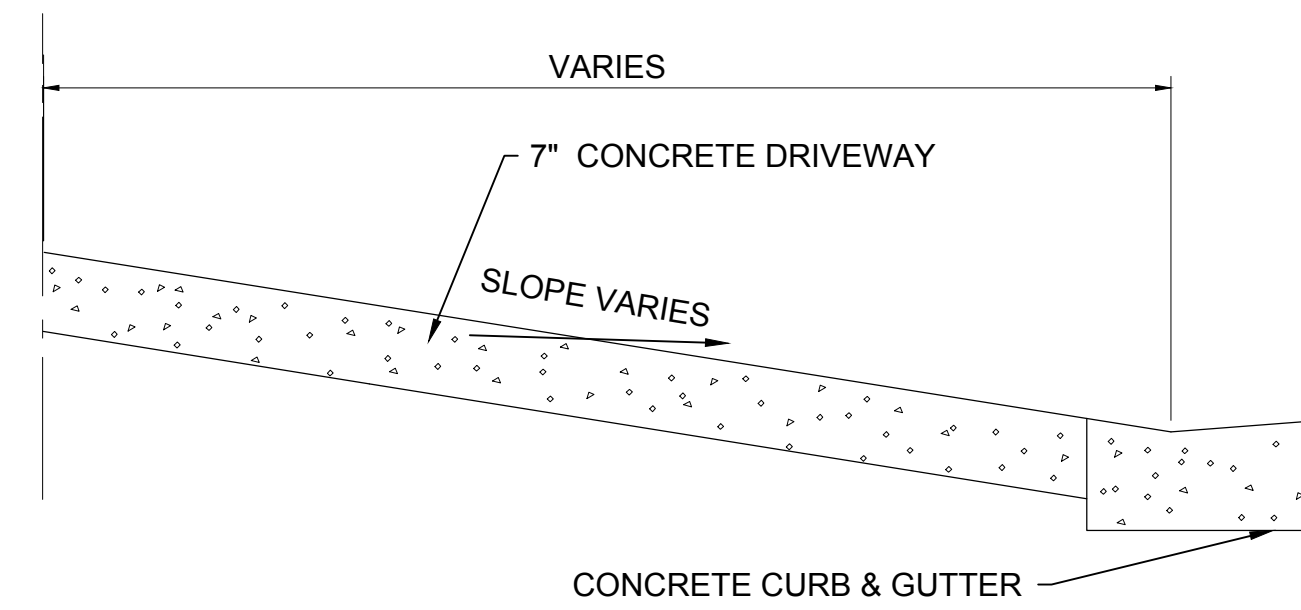
NOTE:

1. CONTRACTION JOINTS TO BE SPACED 5'-0" O.C. MAXIMUM EACH DIRECTION.
2. EXPANSION JOINTS TO BE SPACED AT 50' MAXIMUM EACH DIRECTION AND WHERE SIDEWALK MEETS BUILDINGS, CURBS, AND EXISTING SIDEWALKS WHICH REMAIN IN PLACE.
3. LONGITUDINAL SLOPES TO MATCH PROPOSED GRADE, CROSS SLOPE OF NEW SIDEWALK SHALL BE 1.5%, MAX 2.0%.

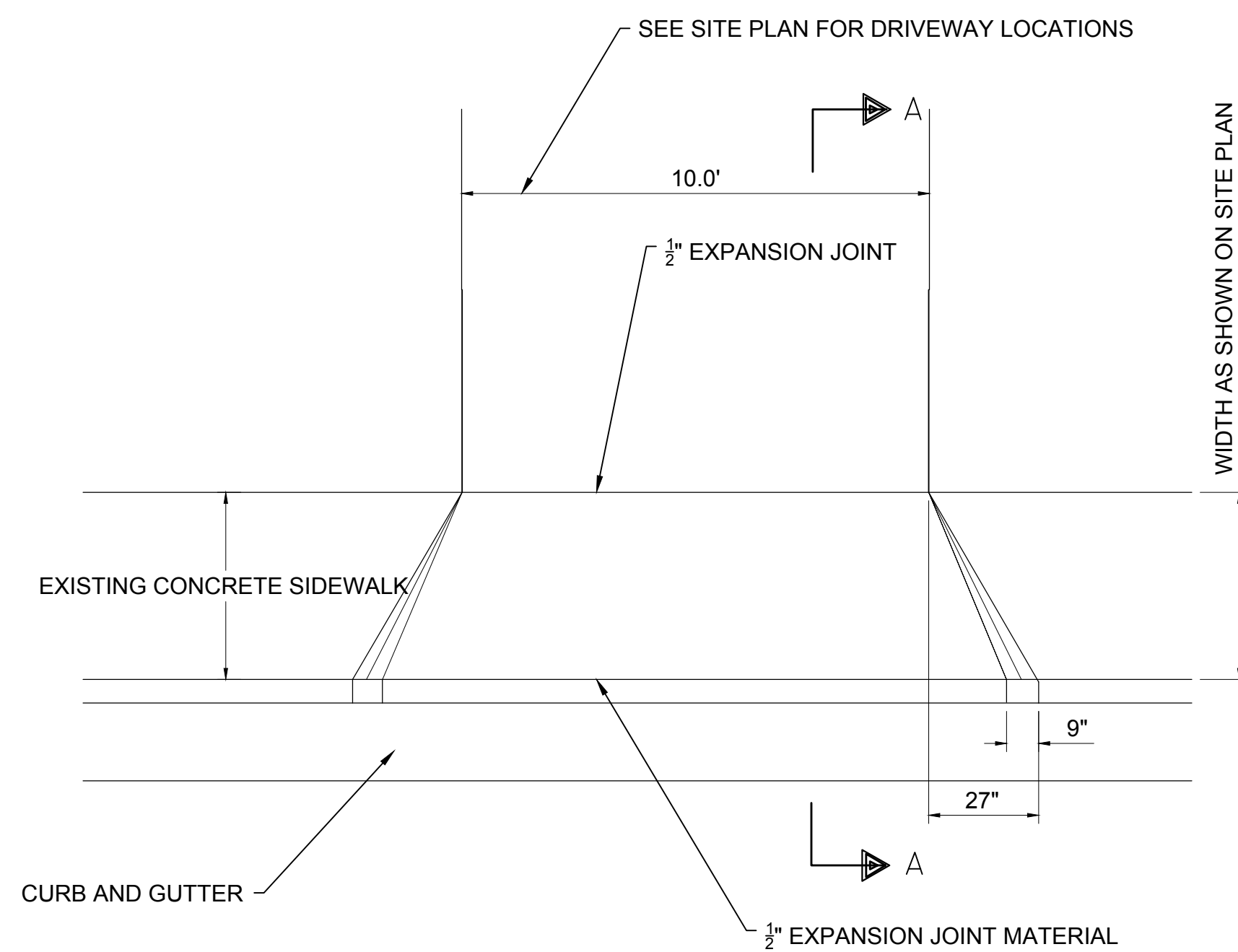
1 UNREINFORCED CONCRETE SIDEWALK
C501 NTS



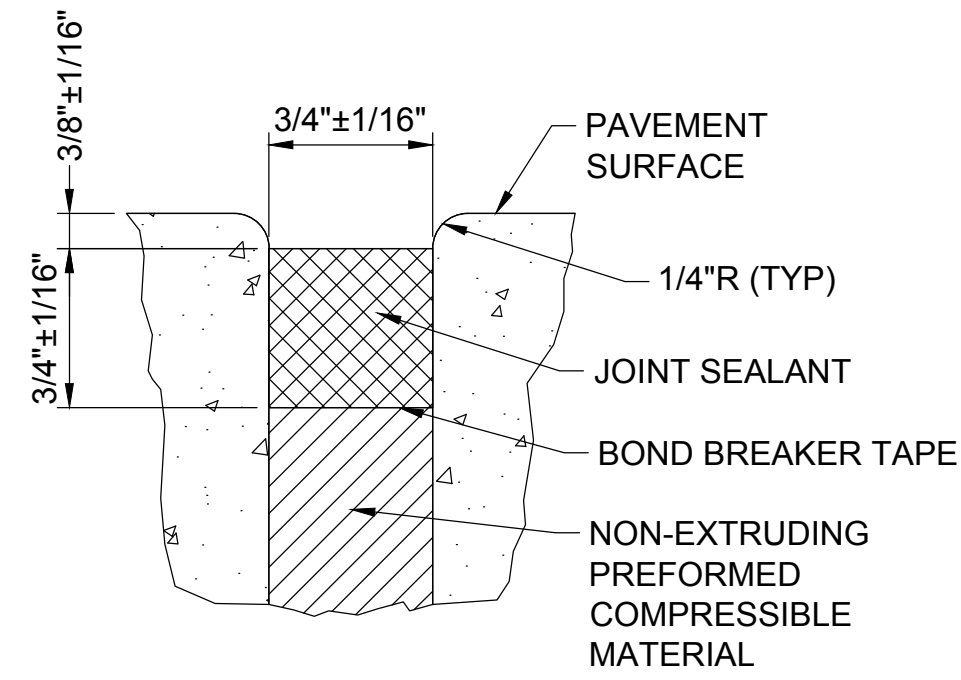
2 HOT MIX ASPHALT PAVEMENT
C501 NTS



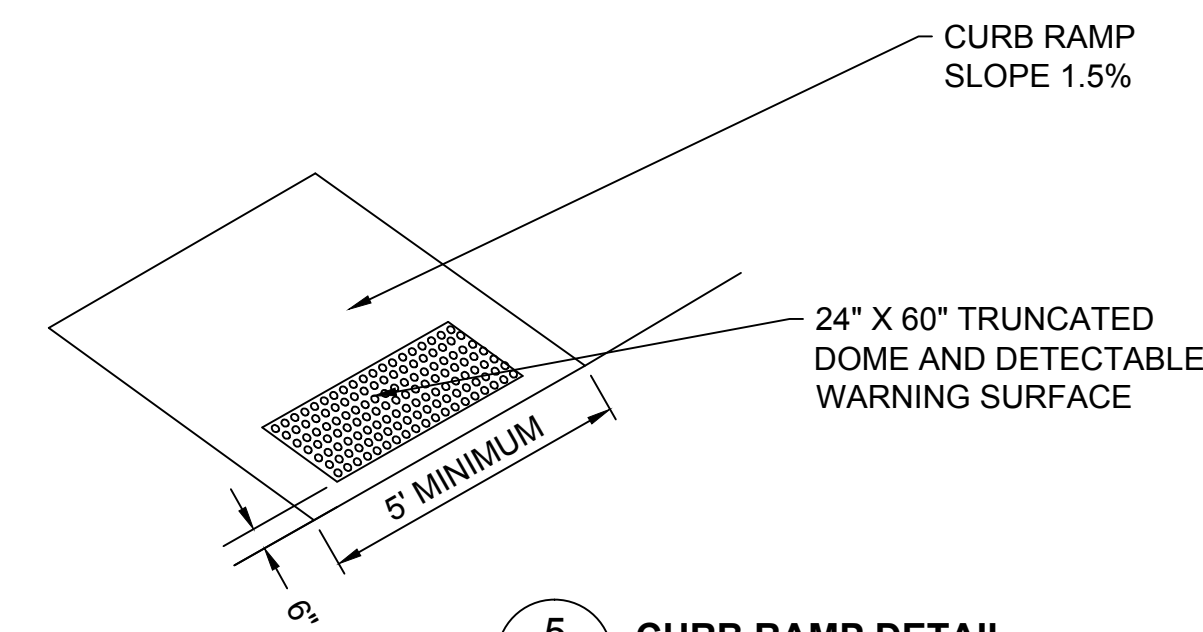
SECTION A-A



3 DRIVEWAY APPROACH DETAIL
C501 NTS

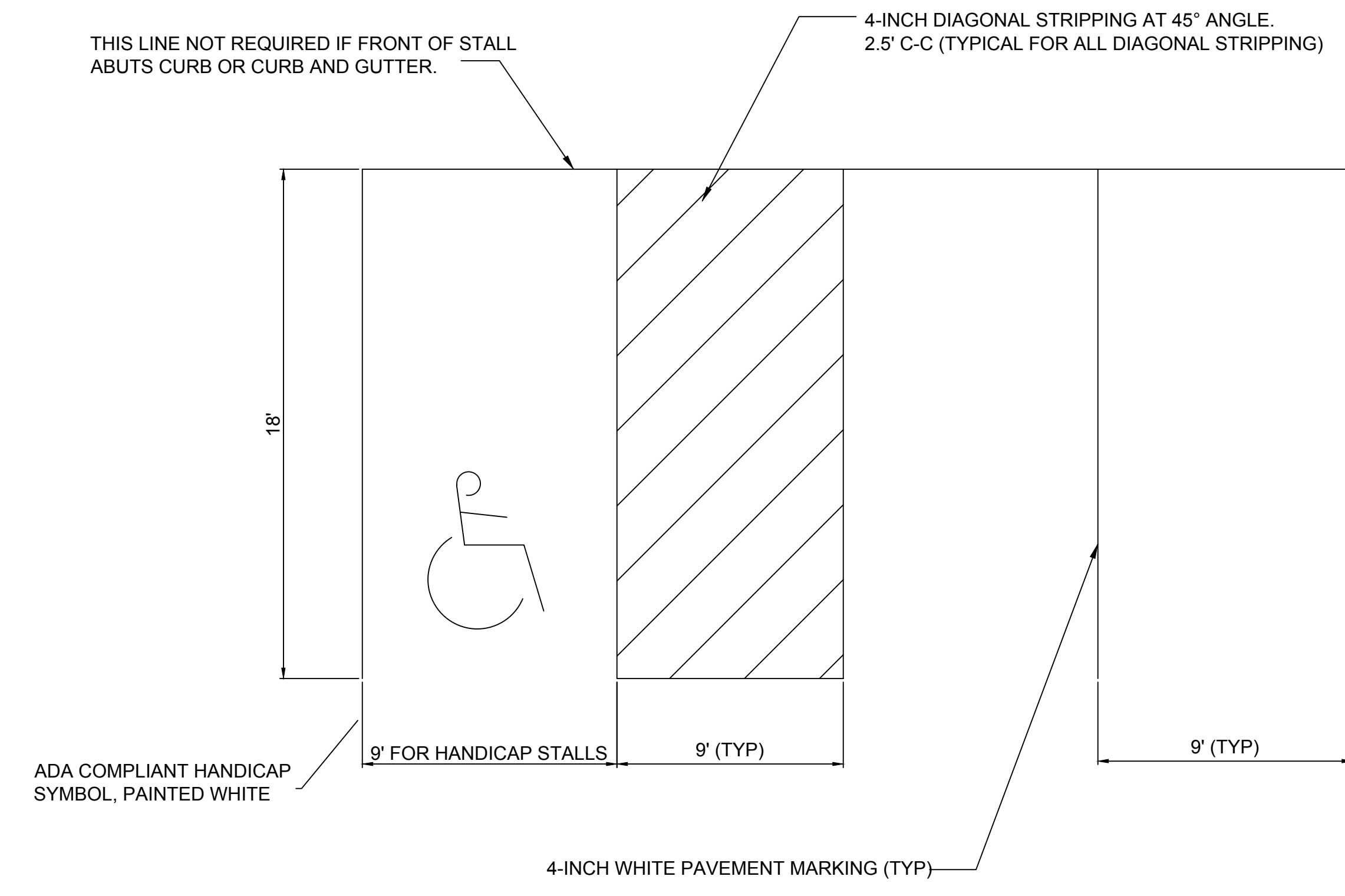


4 TYPICAL EXPANSION JOINT
C501 NTS

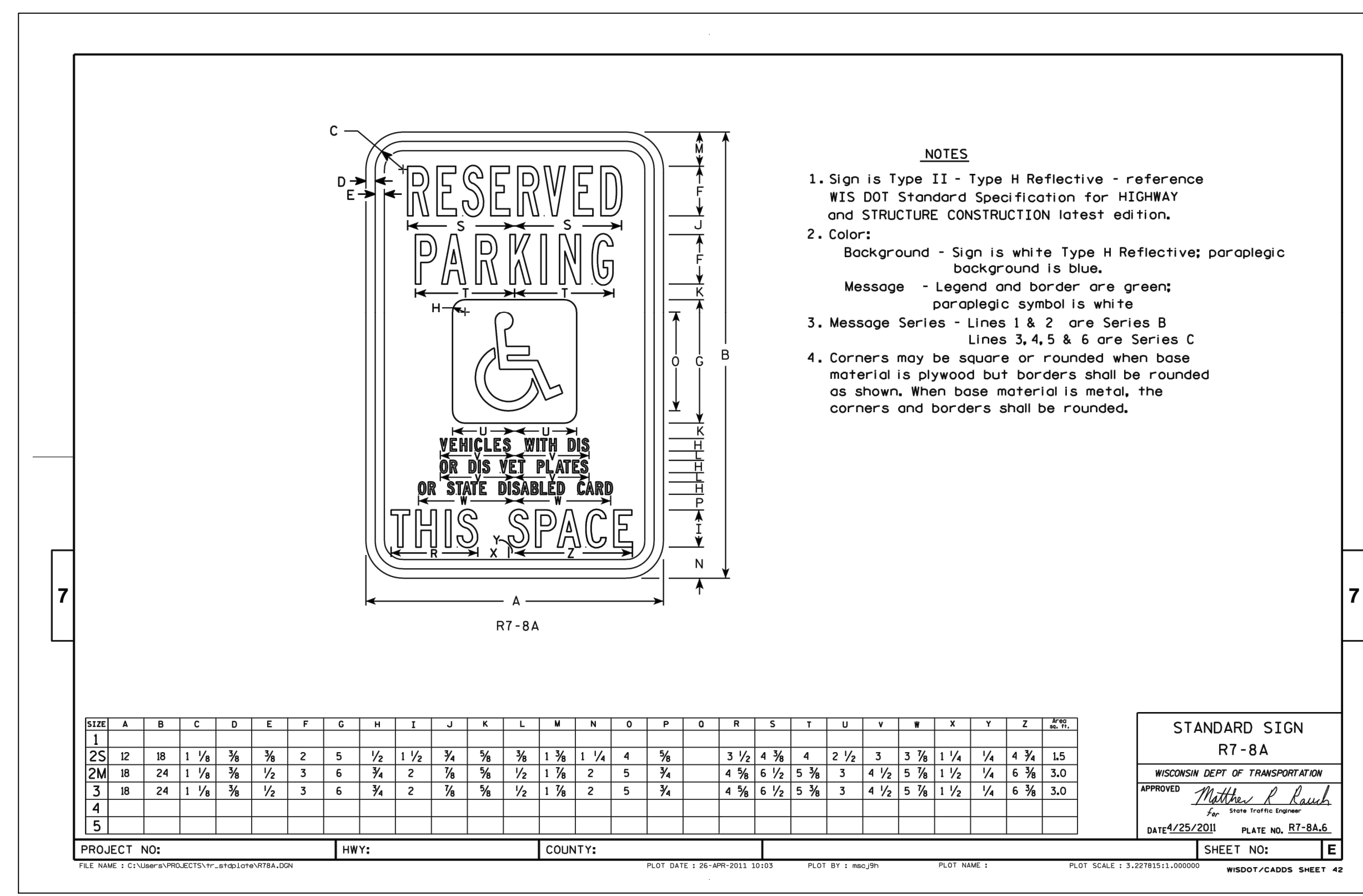


5 CURB RAMP DETAIL
C501 NTS

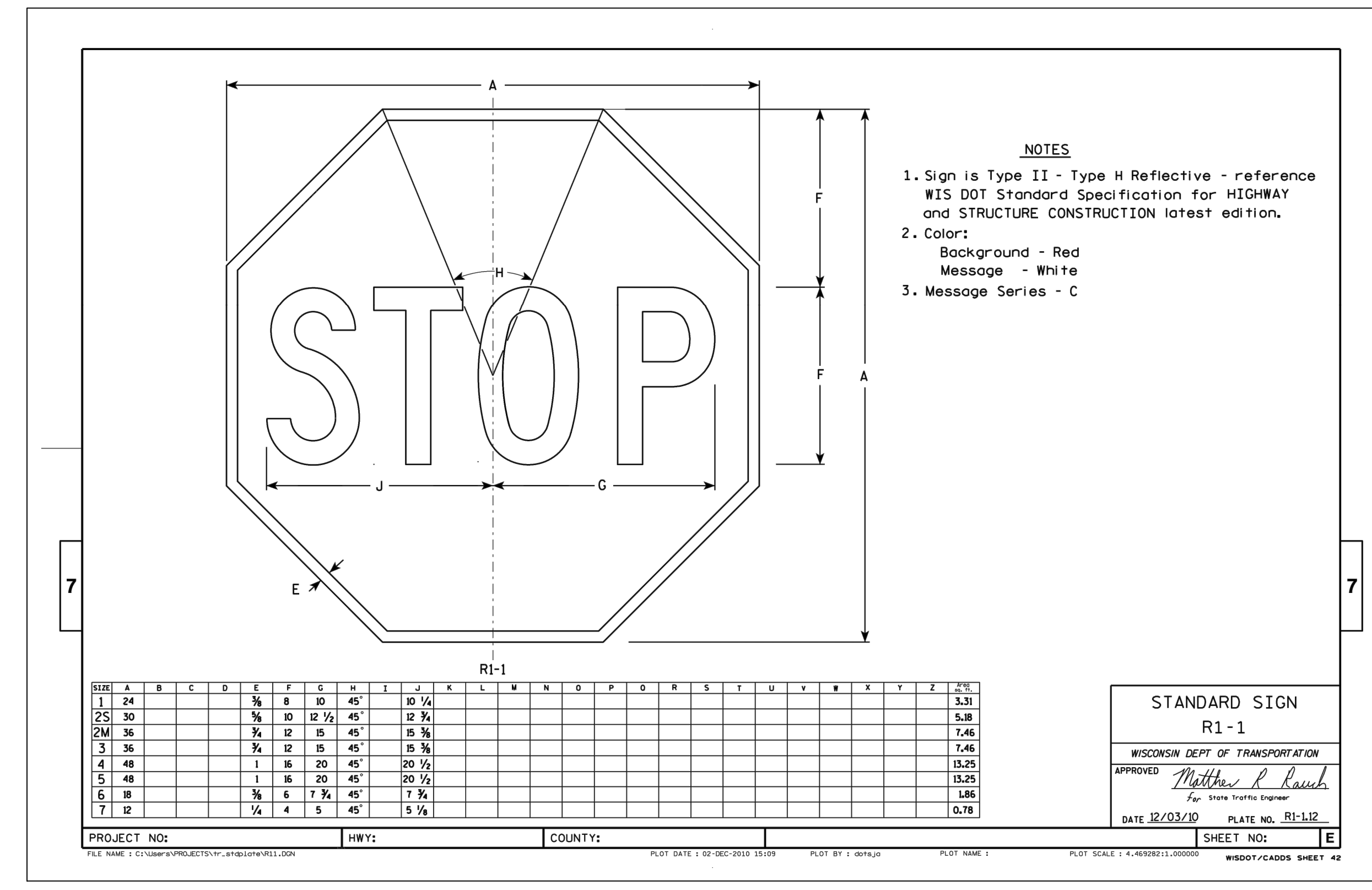




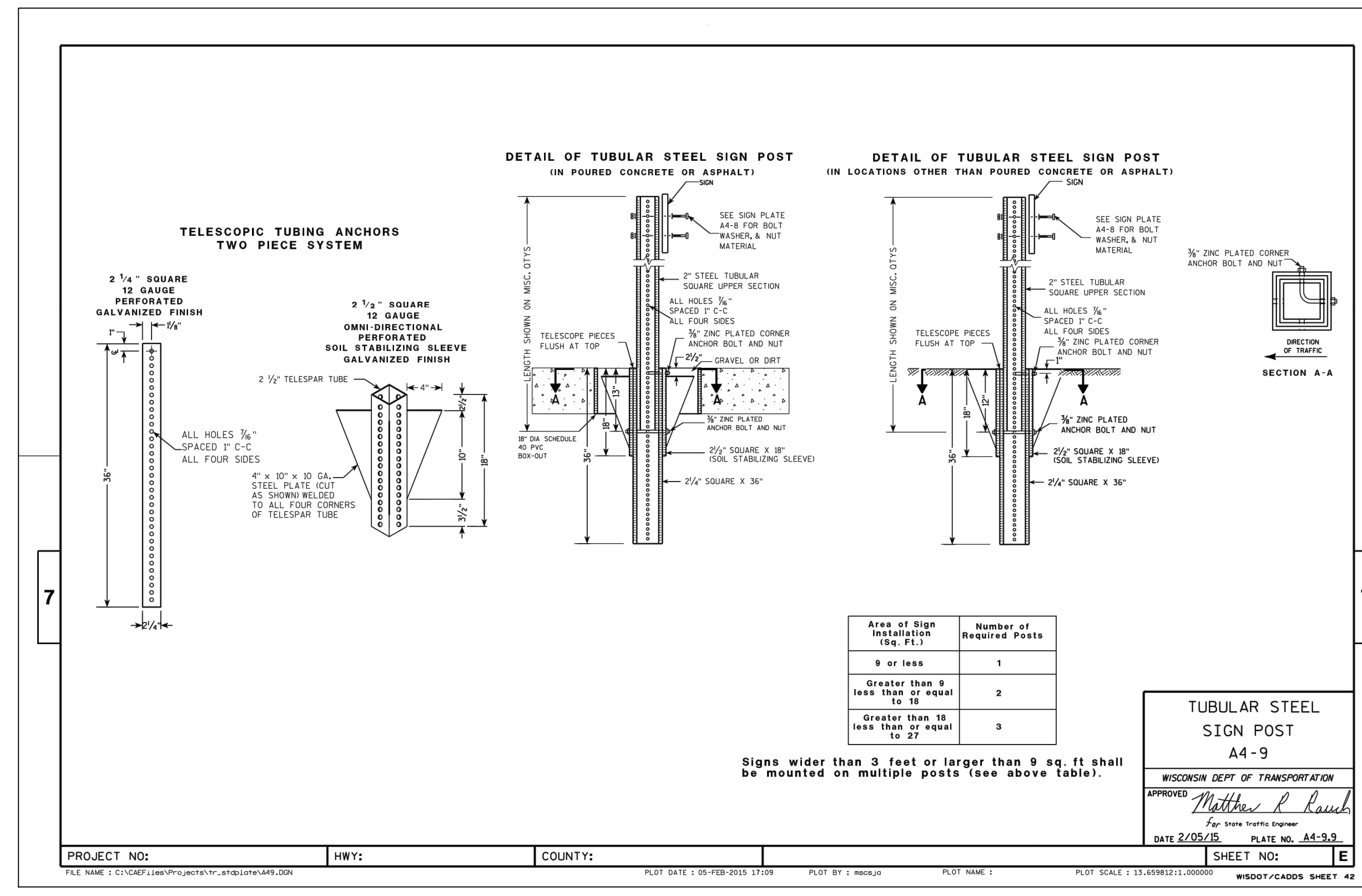
1 PAVEMENT MARKING
C502 NTS



2 SIGN PLATE
C502 NTS



3 SIGN PLATE
C502 NTS



4 TUBULAR STEEL SIGN POST
C502 NTS

MOAZ A. KHAN
E-43764
WALKESHA
WI
PROFESSIONAL ENGINEER
2/16/18

WOODLANDS COMMUNITY BUILDING
8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

DRAWING ISSUE DATE
50% PROGRESS SET 03.06.18
100% REVIEW SET 04.03.18

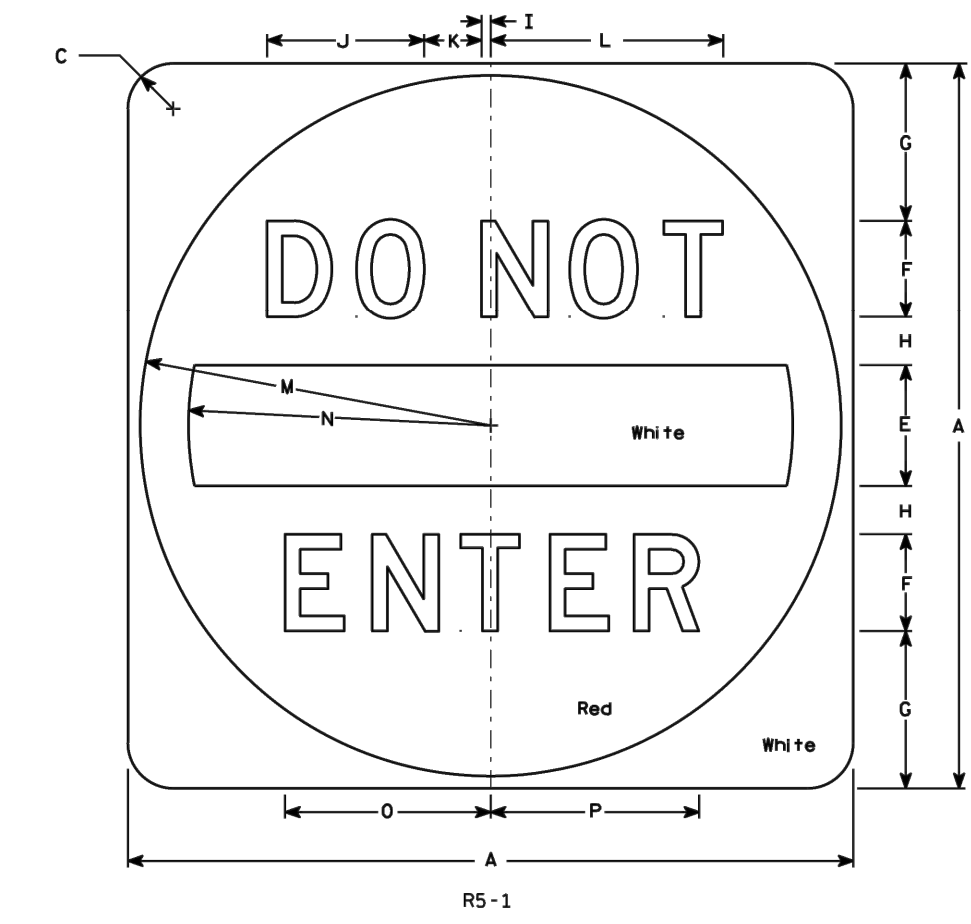
PROJECT # 18.02

CONSTRUCTION
DETAILS

C503



- NOTES**
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
 2. Color:
Background - See detail
Message - White - Type H Reflective
 3. Message Series - D
 4. Corners may be square or rounded when base material is plywood but when base material is metal, the corners shall be rounded.

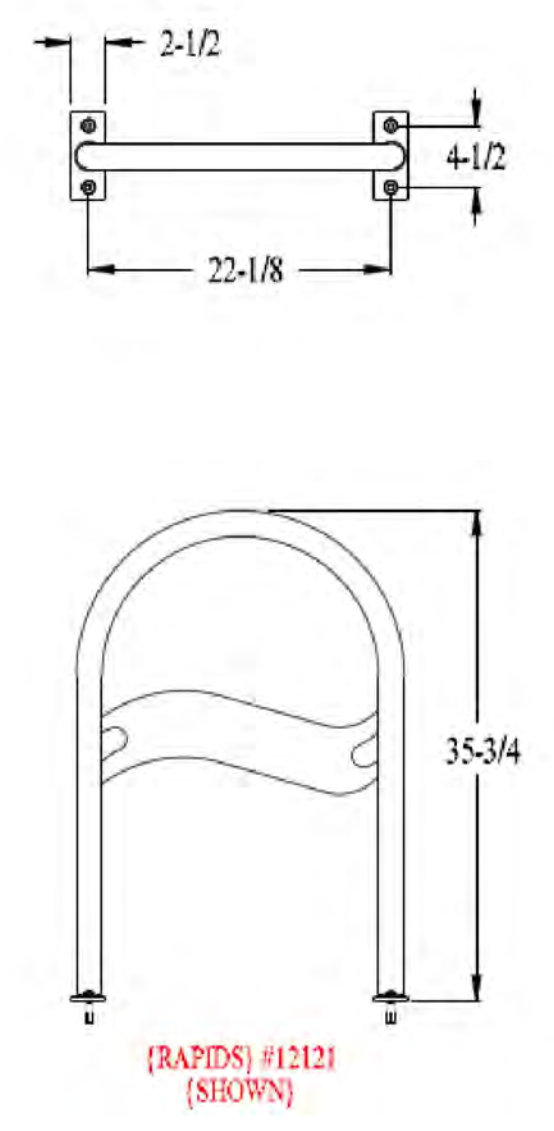


| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AREA |
|------|----|---|-------|---|---|---|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|---|---|---|---|---|---|---|---|---|---|------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 30 | | 1 3/4 | | 5 | 4 | 6 1/2 | 2 | 3/4 | 6 1/2 | 2 3/4 | 9 3/4 | 14 1/2 | 12 1/2 | 8 1/2 | 8 3/4 | | | | | | | | | | | 6.26 |
| 2M | 36 | | 2 1/4 | | 6 | 5 | 7 1/2 | 2 1/2 | 1 1/2 | 8 1/4 | 3 | 12 1/4 | 17 1/2 | 15 | 10 3/4 | 10 3/4 | | | | | | | | | | | 9.0 |
| 3 | 36 | | 2 1/4 | | 6 | 5 | 7 1/2 | 2 1/2 | 1 1/2 | 8 1/4 | 3 | 12 1/4 | 17 1/2 | 15 | 10 3/4 | 10 3/4 | | | | | | | | | | | 9.0 |
| 4 | 36 | | 2 1/4 | | 6 | 5 | 7 1/2 | 2 1/2 | 1 1/2 | 8 1/4 | 3 | 12 1/4 | 17 1/2 | 15 | 10 3/4 | 10 3/4 | | | | | | | | | | | 9.0 |
| 5 | 48 | | 3 | | 8 | 6 | 11 | 3 | 3/4 | 9 3/4 | 3 3/4 | 14 1/2 | 23 1/2 | 20 | 12 3/4 | 12 3/4 | | | | | | | | | | | 16.0 |

STANDARD SIGN
R5 - 1
WISCONSIN DEPT. OF TRANSPORTATION
APPROVED: *Matthew P. Rausch*
Professional Engineer
DATE: 12/17/10 PLATE NO. R5-115
SHEET NO: E

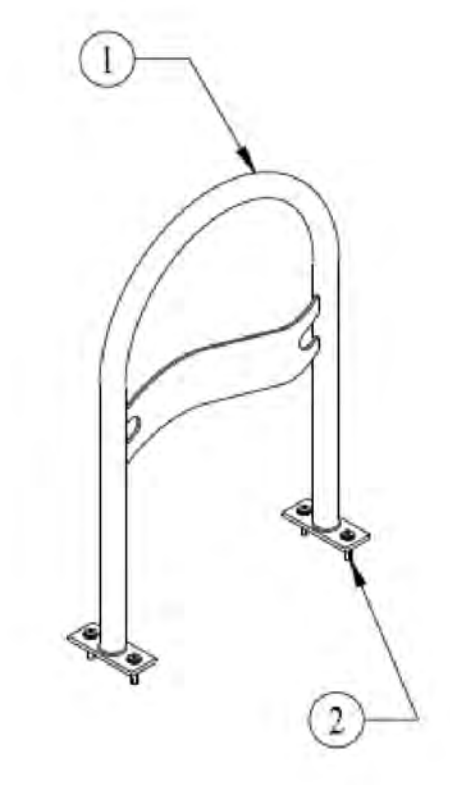
1 SIGN PLATE
C503 NTS

| U-RACK DESCRIPTIONS | | |
|---------------------|--------------------|---------|
| STYLE | NAME | SURFACE |
| CLASSIC | STANDARD | 12729 |
| | STANDARD - BRACED | 12705 |
| | PLASTISOL | 12700 |
| MODERN | PLASTISOL - BRACED | 12728 |
| | BELTWAY | 12145 |
| | BOARDWALK | 12138 |
| | CENTERLINE | 12143 |
| | METROLINE | 12146 |
| | PATHWAY | 12144 |
| | RAILWAY | 12139 |
| | SUBWAY | 12147 |
| | TRAILWAY | 12136 |
| | TRICYCLE | 12137 |
| VINTAGE | BRETON | 12133 |
| | BRIDGE | 12142 |
| | CASCADE | 12160 |
| | FULTON | 12190 |
| | GREENWICH | 12141 |
| | LAFAYETTE | 12150 |
| | MADISON | 12130 |
| | MONROE | 12192 |
| | PARIS | 12193 |
| | PEARL | 12180 |
| CUSTOM | PLYMOUTH | 12140 |
| | RAPID | 12170 |
| | WEALTHY | 12131 |
| | INSIGNIA | 12132 |
| | RAPIDS | 12121 |



| ITEM | QTY | DESCRIPTION | MATERIAL |
|------|-----|------------------------------------|-----------|
| 1 | 1 | U-RACK (SURFACE) MOUNT WELDMENT | SEE CHART |
| 2 | 1 | ANCHOR BOLT 1/2" KIT (SEE NOTE #3) | 12716 |

- NOTES:**
1. ALL MATERIALS MUST BE CLEAN AND FREE OF MILL LUBRICATION
 2. ANY BLEMISHES OR RUST WILL NOT BE ALLOWED ON COMPLETED PRODUCTS
 3. ITEM #2 - ANCHOR BOLTS USED IN (SURFACE) MOUNT TO CONCRETE ONLY (NOT USED IN RAIL MOUNT)



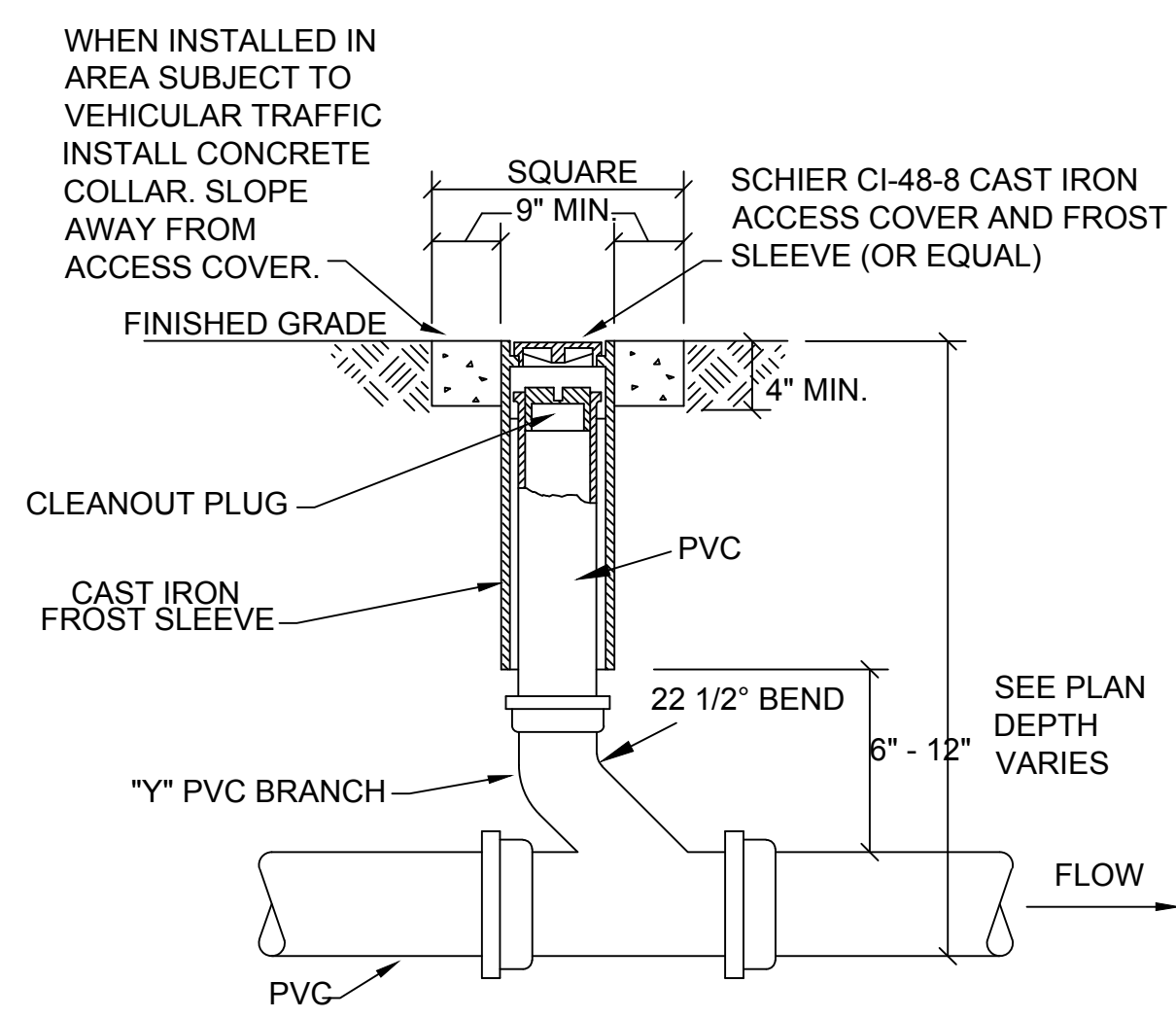
SHEET 1 OF 1
TOLERANCES UNLESS OTHERWISE SPECIFIED:
X .000
XX .010
XXX .005
ANGLE 1/8"

U-RACK (SURFACE) MOUNT
Cycle Safe
5211 CANADIAN ROAD - SUITE 210
GRAND RAPIDS, MI 49546
www.cycle-safe.com

RACK ASSEMBLY 12121

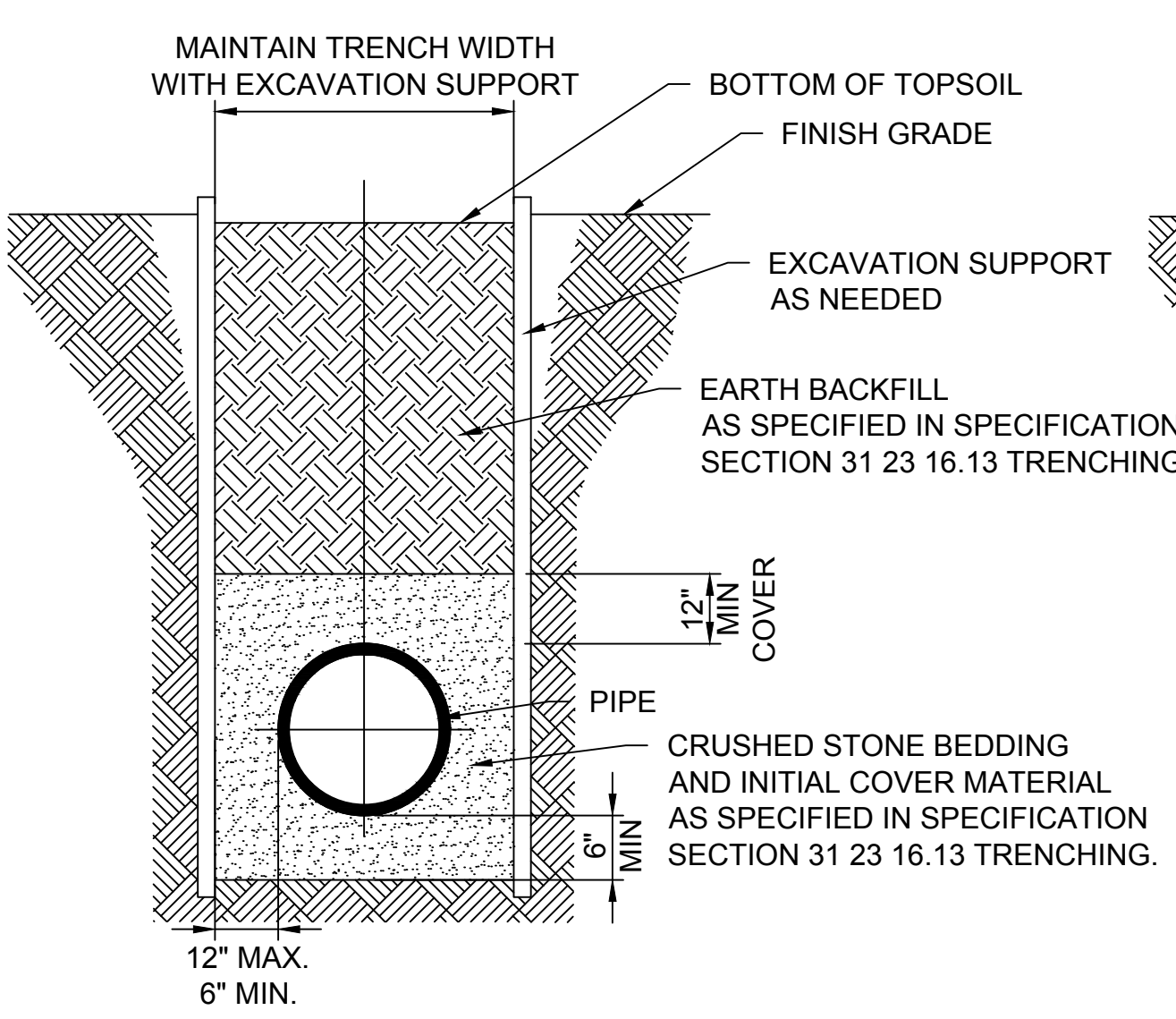
- NOTES**
- SEE MANUFACTURER FOR SPECIFICATIONS. USE CYCLE SAFE OR EQUAL INVERTED-U TYPE RACKS. CONSTRUCT 4 STALLS.

2 BIKE RACK DETAIL
C503 NTS

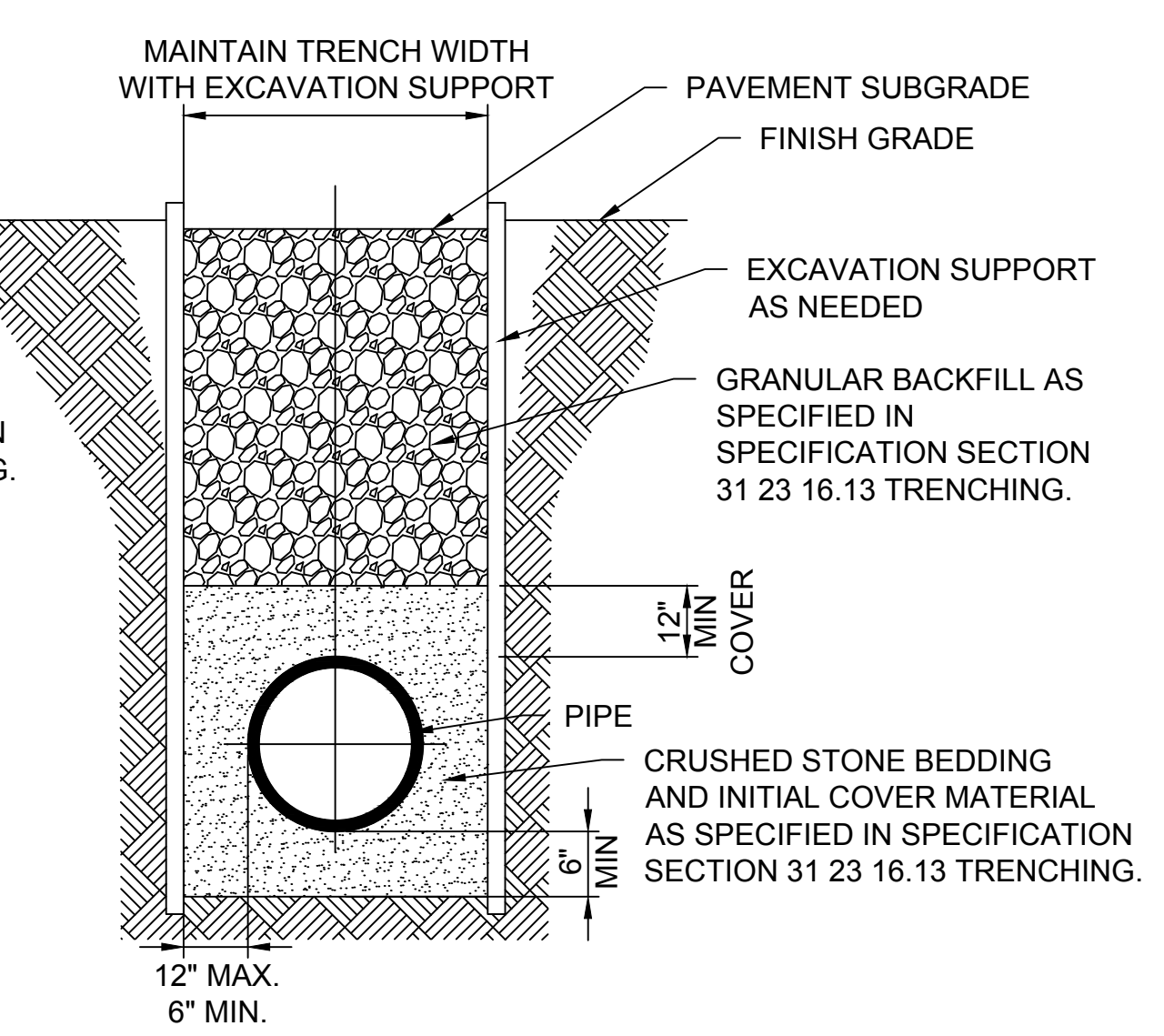


NOTE:
CONCRETE COLLAR NOT REQUIRED IF CLEANOUT IS INSTALLED IN CONCRETE PAVEMENT, SIDEWALK OR LANDSCAPE AREA.

1 SANITARY CLEANOUT
C504 NTS

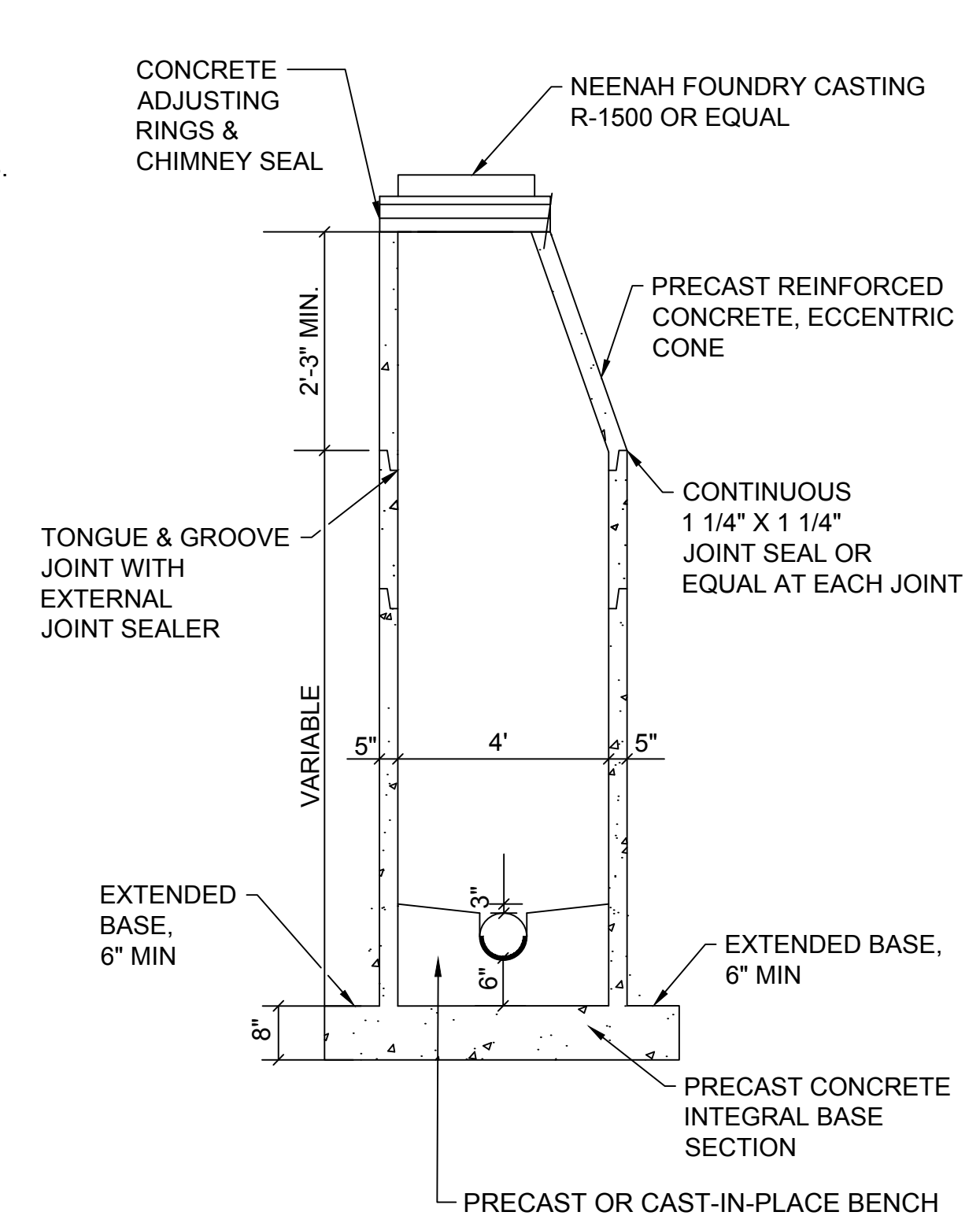


2 TYPICAL PIPE/UTILITY TRENCH BELOW LANDSCAPING
C504 NTS

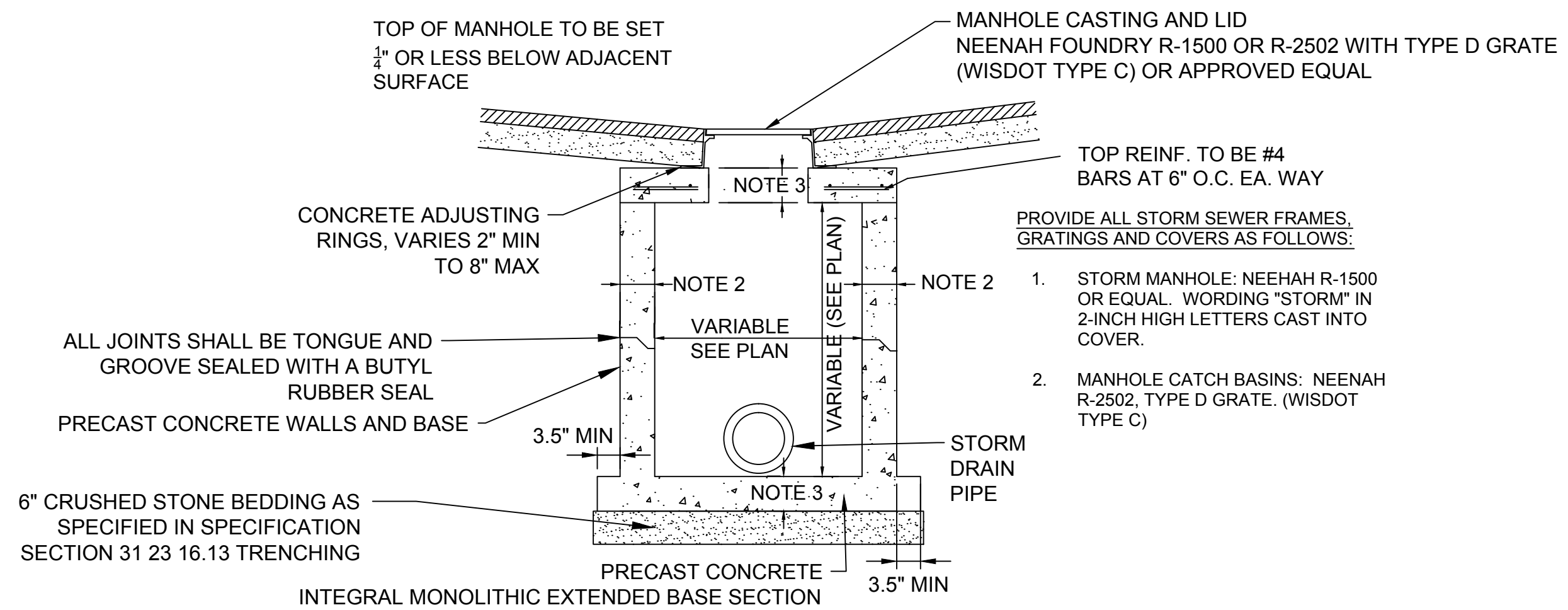


3 TYPICAL PIPE/UTILITY TRENCH UNDER PAVEMENT
C504 NTS

- NOTES**
1. PRECAST MANHOLE SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.
 2. A CONTINUOUS SEWER SHALL BE LAID THROUGH THE MANHOLE EXCEPT AT JUNCTIONS AND ANGLES.
 3. THE SEWER SHALL BE SUPPORTED AT THE MIDPOINT OF THE MANHOLE WITH A SOLID CONCRETE UNIT PRIOR TO POURING THE BASE.
 4. STEPS SHALL BE INSTALLED IN ALL MANHOLES ON 16" CENTERS.
 5. FOR CASTING DESIGNATION REFER TO MANHOLE COVER DETAIL.
 6. OFFSET CONE SHALL BE INSTALLED UNLESS OTHERWISE DIRECTED.
 7. SANITARY MANHOLE FRAMES AND COVERS: SOLID NON-ROCKING LID WITH SEALED PICK HOLES AND SELF-SEAL NEOPRENE "T" GASKET.
 8. WORDING "SANITARY" IN 2-INCH HIGH LETTERS CAST INTO COVER
 9. CONNECT SANITARY SEWER PIPE TO MANHOLE BY MEANS OF BOOT-TYPE OR COMPRESSION-TYPE CONNECTOR, MEETING THE REQUIREMENTS OF ASTM C923.
 - 9.1. KOR-N-SEAL, BY TRELLEBORG
 - 9.2. A-LOK, BY A-LOK PRODUCTS, INC.
 - 9.3. Z-LOK CAST IN BOOTS, BY A-LOK PRODUCTS, INC.
 - 9.4. PSX DIRECT DRIVE, BY PRESS-SEAL GASKET CORPORATION.
 - 9.5. OR EQUAL
 10. EXTERNAL JOINT SEALER SHALL BE APPLIED TO EACH JOINT, MEETING REQUIREMENTS OF ASTM C-877, TYPE II
 - 10.1. MACWRAP EXTERNAL COLLAR BY MAC WRAP CONSTRUCTION PRODUCTS CO. INC.
 - 10.2. CRETEX WRAP BY CRETEX SPECIALITY PRODUCTS
 - 10.3. EZ-WRAP BY PRESS SEAL GASKET CORPORATION.
 - 10.4. OR EQUAL

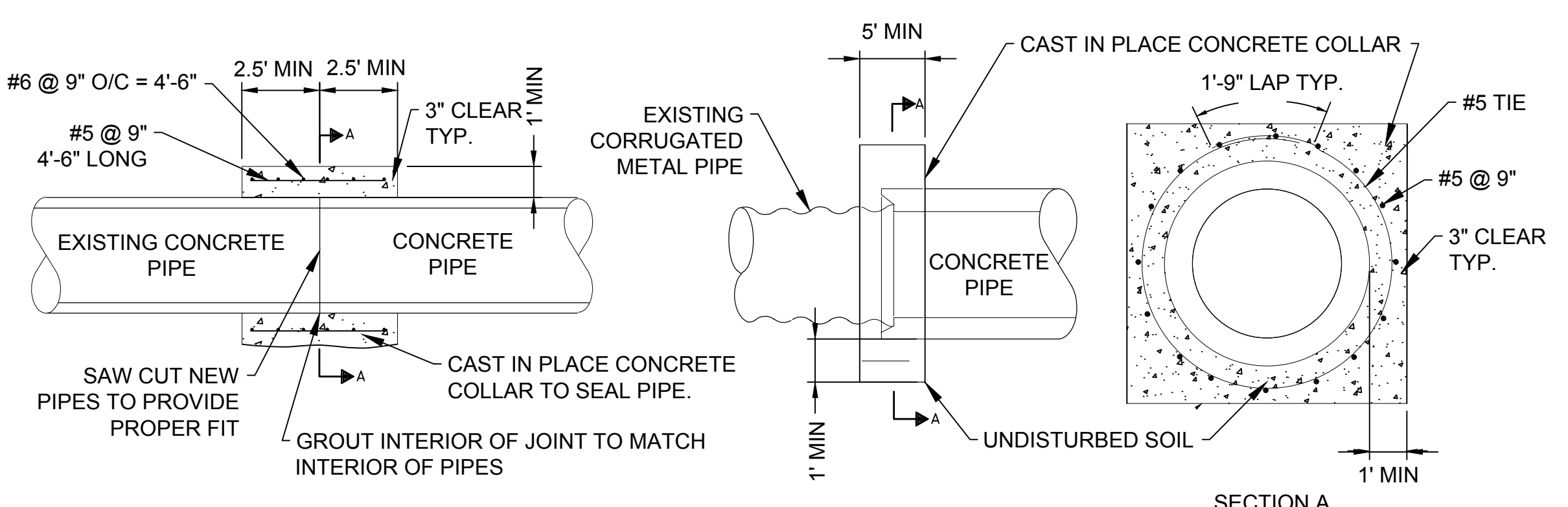


6 SANITARY MANHOLE
C504 NTS



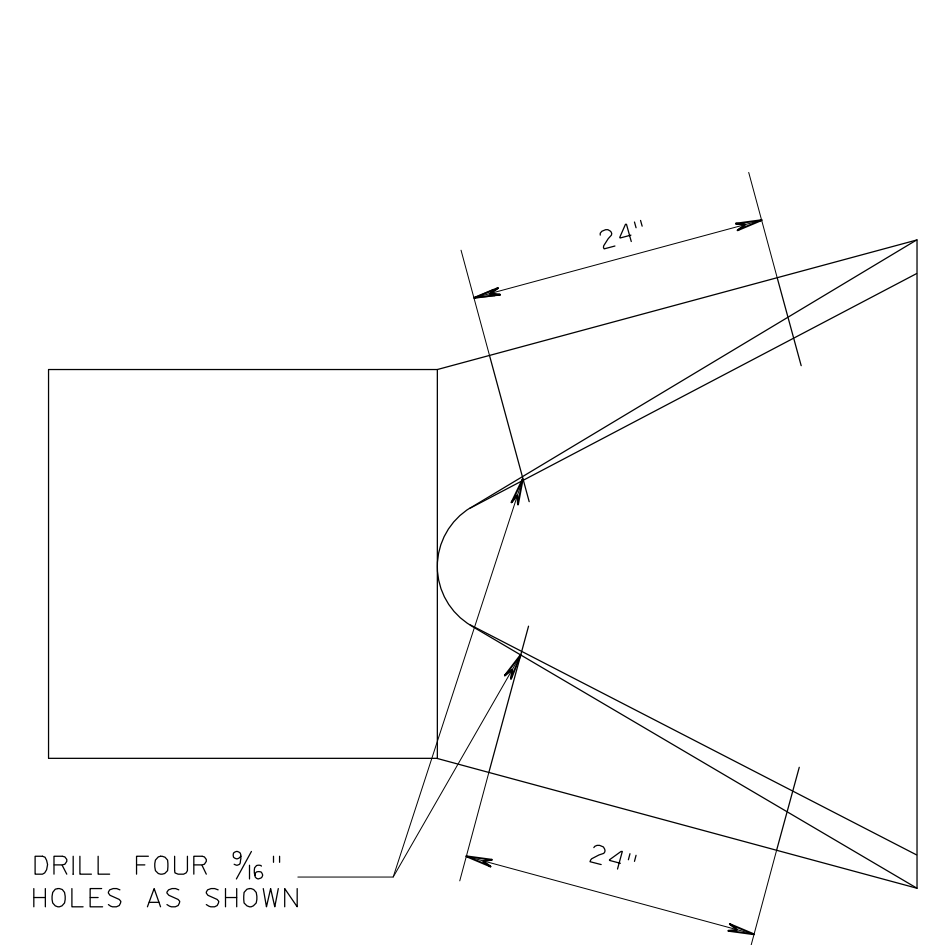
- NOTES:**
1. ALL MANHOLES SHALL INCLUDE STEPS ON 16" CENTERS WHEN DEPTH (GRATE TO BOTTOM) IS 4.0' OR GREATER.
 2. MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT, AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
 3. PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB AND BASES WITH A DIAMETER LARGER THAN A MINIMUM THICKNESS OF 8"

4 STORM MANHOLE TYPICAL DETAIL
C504 NTS

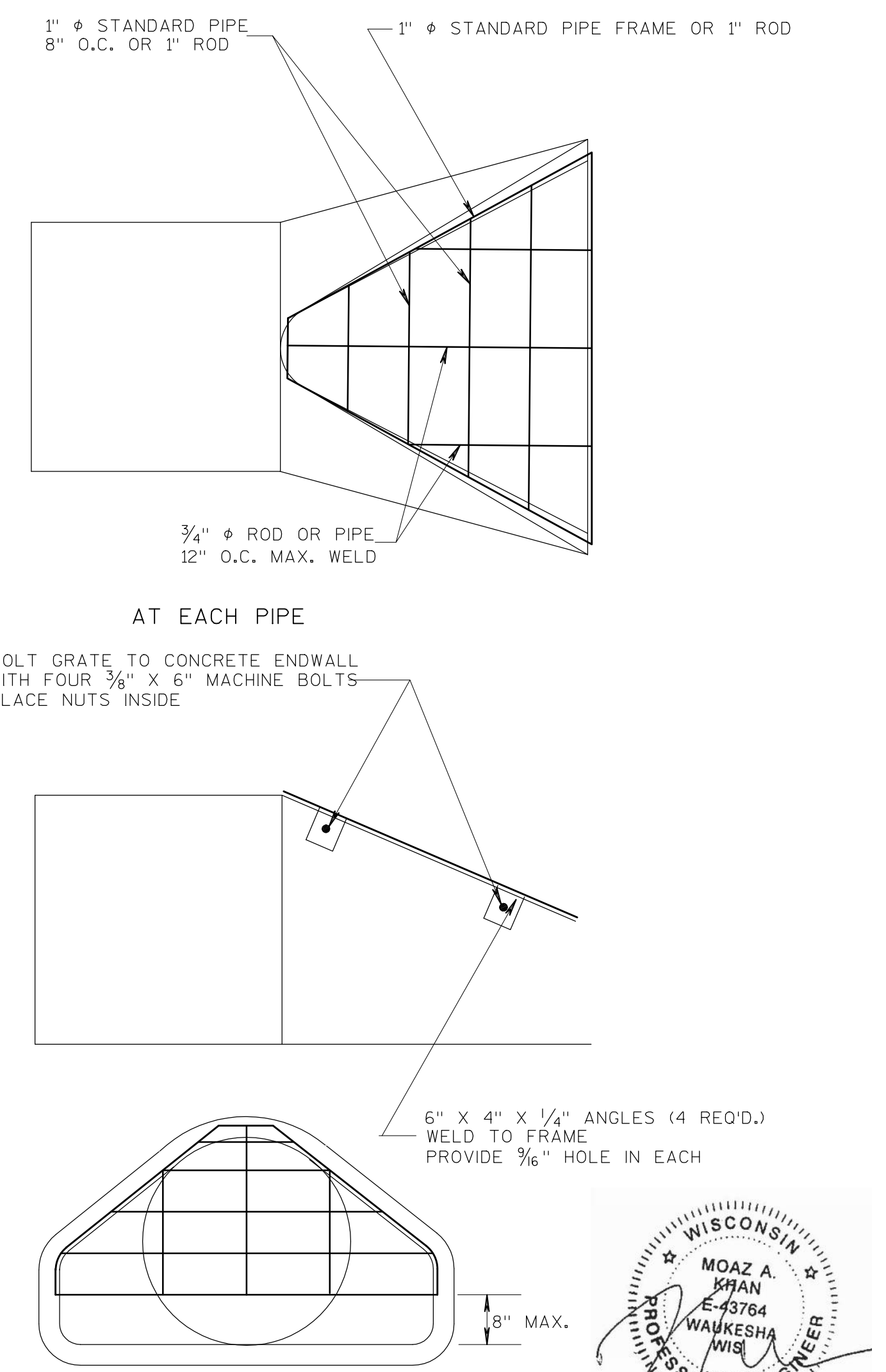


5 STORM SEWER CONCRETE COLLAR/CONNECTION TO EXISTING DETAIL
C504 NTS

NOTE: FOR PVC CONNECTION TO MANHOLE CONFORM TO MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS.



7 12" APRON ENDWALL GRATE DETAIL
C504 NTS



MOAZ A. KHAN
E-43764
WAUKESHA, WI
PROFESSIONAL ENGINEER
2/16/18

Cree Edge™ Series

LED Area/Flood Luminaire

Product Description

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

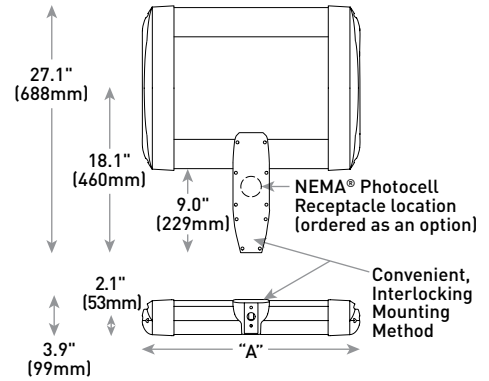
Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See <http://lighting.cree.com/warranty> for warranty terms

Accessories

| Field-Installed | |
|---|--|
| Bird Spikes XA-BRDSPK Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required | Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel |

DA Mount



| LED Count (x10) | Dim. "A" | Weight |
|-----------------|---------------|----------------|
| 02 | 12.1" (306mm) | 21 lbs. (10kg) |
| 04 | 12.1" (306mm) | 24 lbs. (11kg) |
| 06 | 14.1" (357mm) | 27 lbs. (12kg) |
| 08 | 16.1" (408mm) | 28 lbs. (13kg) |
| 10 | 18.1" (459mm) | 32 lbs. (15kg) |
| 12 | 20.1" (510mm) | 34 lbs. (15kg) |
| 14 | 22.1" (560mm) | 37 lbs. (17kg) |
| 16 | 24.1" (611mm) | 41 lbs. (19kg) |

AA/DL/SA Mount - see page 22 for weight & dimensions

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

| Product | Optic | Mounting* | LED Count (x10) | Series | Voltage | Color Options | Drive Current | Options | |
|----------------|--|---|--|----------|--|--|---|--|--|
| ARE-EDG | 2M Type II Medium 2MB Type II Medium w/BLS 2MP Type II Medium w/Partial BLS 3M Type III Medium 3MB Type III Medium w/BLS 3MP Type III Medium w/Partial BLS 4M Type IV Medium 4MB Type IV Medium w/BLS 4MP Type IV Medium w/Partial BLS 5M Type V Medium 5S Type V Short | AA Adjustable Arm DA Direct Arm DL Direct Long Arm | 02 04 06 08 10 12 14 16 | E | UL Universal 120-277V UH Universal 347-480V | BK Black BZ Bronze SV Silver WH White | 350 350mA 525 525mA 700 700mA - Available with 20-60 LEDs | DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - Available for U.S. applications only - When code dictates fusing, use time delay fuse HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt P Photocell - Refer to ML spec sheet for availability with ML options - Available with UL voltage only | PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt R NEMA® Photocell Receptacle - Intended for downlight applications with maximum 45° tilt - Photocell by others - Refer to ML spec sheet for availability with ML options 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire |
| FLD-EDG | 25 25° Flood 40 40° Flood 70 70° Flood SN Sign N6 NEMA® 6 | AA Adjustable Arm SA Side Arm - Available with 20-60 LEDs | | | | | | | |

* Reference EPA and pole configuration suitability data beginning on page 19
 NOTE: Price adder may apply depending on configuration



Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select FLD-EDG SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA

| Electrical Data* | | | | | | | |
|------------------|-----------------------|-------------------|------|------|------|------|------|
| LED Count (x10) | System Watts 120-480V | Total Current (A) | | | | | |
| | | 120V | 208V | 240V | 277V | 347V | 480V |
| 350mA | | | | | | | |
| 02 | 25 | 0.21 | 0.13 | 0.11 | 0.10 | 0.08 | 0.07 |
| 04 | 46 | 0.36 | 0.23 | 0.21 | 0.20 | 0.15 | 0.12 |
| 06 | 66 | 0.52 | 0.31 | 0.28 | 0.26 | 0.20 | 0.15 |
| 08 | 90 | 0.75 | 0.44 | 0.38 | 0.34 | 0.26 | 0.20 |
| 10 | 110 | 0.92 | 0.53 | 0.47 | 0.41 | 0.32 | 0.24 |
| 12 | 130 | 1.10 | 0.63 | 0.55 | 0.48 | 0.38 | 0.28 |
| 14 | 158 | 1.32 | 0.77 | 0.68 | 0.62 | 0.47 | 0.35 |
| 16 | 179 | 1.49 | 0.87 | 0.77 | 0.68 | 0.53 | 0.39 |
| 525mA | | | | | | | |
| 02 | 37 | 0.30 | 0.19 | 0.17 | 0.16 | 0.12 | 0.10 |
| 04 | 70 | 0.58 | 0.34 | 0.31 | 0.28 | 0.21 | 0.16 |
| 06 | 101 | 0.84 | 0.49 | 0.43 | 0.38 | 0.30 | 0.22 |
| 08 | 133 | 1.13 | 0.66 | 0.58 | 0.51 | 0.39 | 0.28 |
| 10 | 171 | 1.43 | 0.83 | 0.74 | 0.66 | 0.50 | 0.38 |
| 12 | 202 | 1.69 | 0.98 | 0.86 | 0.77 | 0.59 | 0.44 |
| 14 | 232 | 1.94 | 1.12 | 0.98 | 0.87 | 0.68 | 0.50 |
| 16 | 263 | 2.21 | 1.27 | 1.11 | 0.97 | 0.77 | 0.56 |
| 700mA | | | | | | | |
| 02 | 50 | 0.41 | 0.25 | 0.22 | 0.20 | 0.15 | 0.12 |
| 04 | 93 | 0.78 | 0.46 | 0.40 | 0.36 | 0.27 | 0.20 |
| 06 | 134 | 1.14 | 0.65 | 0.57 | 0.50 | 0.39 | 0.29 |

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

| Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF) ¹ | | | | | |
|--|-------------|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| Ambient | Initial LMF | 25K hr Projected ² LMF | 50K hr Projected ² LMF | 75K hr Calculated ³ LMF | 100K hr Calculated ³ LMF |
| 5°C (41°F) | 1.04 | 1.01 | 0.99 | 0.98 | 0.96 |
| 10°C (50°F) | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 |
| 15°C (59°F) | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 |
| 20°C (68°F) | 1.01 | 0.98 | 0.96 | 0.95 | 0.93 |
| 25°C (77°F) | 1.00 | 0.97 | 0.95 | 0.94 | 0.92 |

¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times

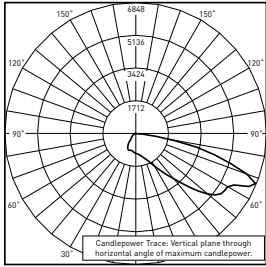
(6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

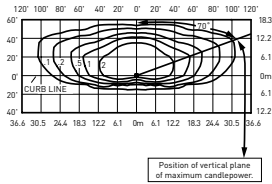
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/cree-edge-series-1>

2MB



CSA Test Report #: 6447
 ARE-EDG-2MB-**-06-E-UL-700-40K
 Initial Delivered Lumens: 7,953



ARE-EDG-2MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 13,185
 Initial FC at grade

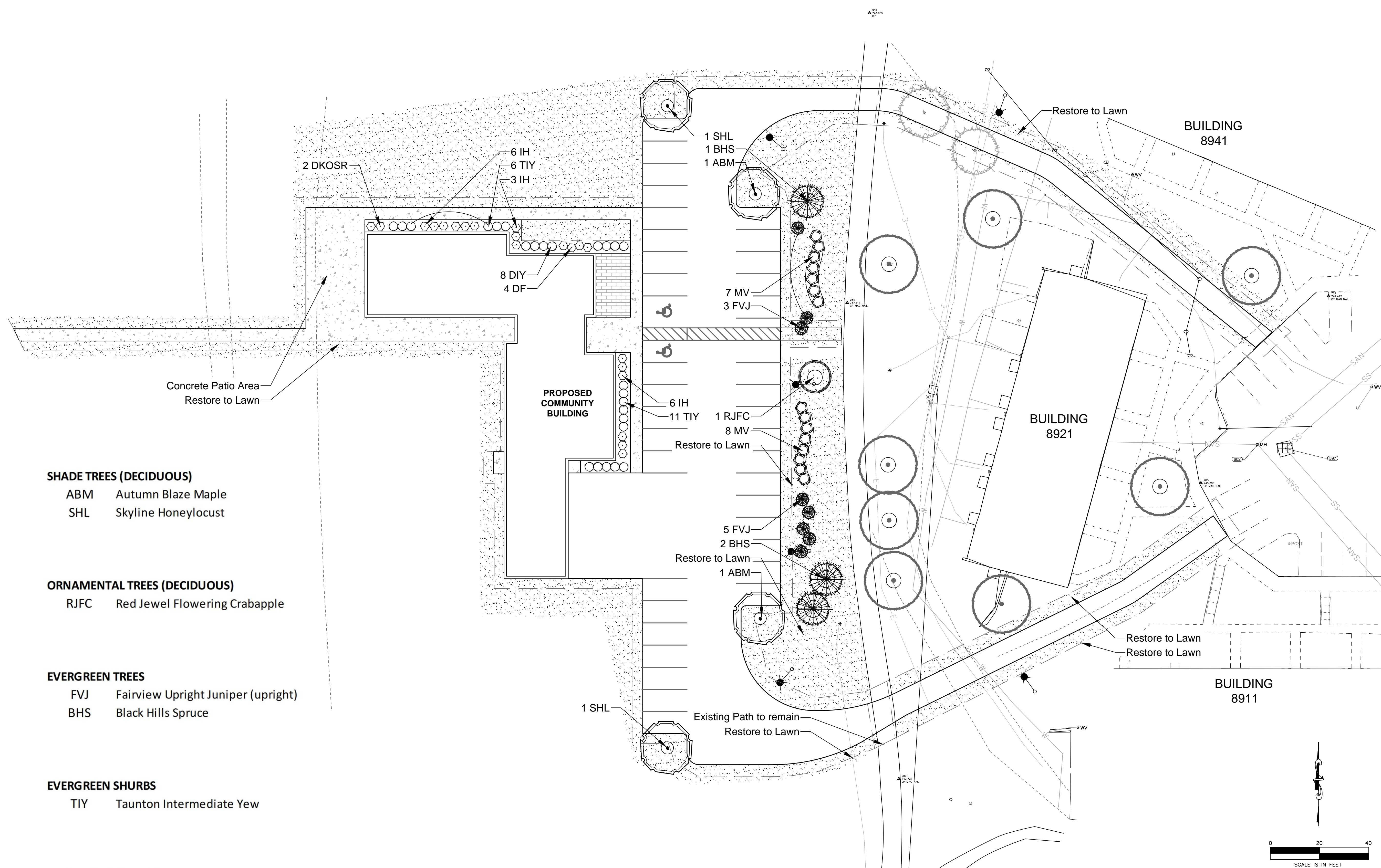
| Type II Medium Distribution w/BLS | | | | |
|-----------------------------------|---------------------------|----------------------------|---------------------------|----------------------------|
| LED Count (x10) | 4000K | | 5700K | |
| | Initial Delivered Lumens* | BUG Ratings** Per TM-15-11 | Initial Delivered Lumens* | BUG Ratings** Per TM-15-11 |
| 350mA | | | | |
| 02 | 1,884 | B0 U0 G1 | 1,921 | B0 U0 G1 |
| 04 | 3,768 | B1 U0 G1 | 3,843 | B1 U0 G1 |
| 06 | 5,588 | B1 U0 G1 | 5,698 | B1 U0 G1 |
| 08 | 7,450 | B1 U0 G2 | 7,598 | B1 U0 G2 |
| 10 | 9,291 | B1 U0 G2 | 9,475 | B1 U0 G2 |
| 12 | 11,149 | B1 U0 G2 | 11,370 | B1 U0 G2 |
| 14 | 12,924 | B1 U0 G2 | 13,181 | B1 U0 G2 |
| 16 | 14,771 | B1 U0 G2 | 15,063 | B1 U0 G2 |
| 525mA | | | | |
| 02 | 2,674 | B0 U0 G1 | 2,730 | B0 U0 G1 |
| 04 | 5,348 | B1 U0 G1 | 5,460 | B1 U0 G1 |
| 06 | 7,930 | B1 U0 G2 | 8,096 | B1 U0 G2 |
| 08 | 10,573 | B1 U0 G2 | 10,794 | B1 U0 G2 |
| 10 | 13,185 | B1 U0 G2 | 13,461 | B1 U0 G2 |
| 12 | 15,821 | B2 U0 G2 | 16,153 | B2 U0 G3 |
| 14 | 18,341 | B2 U0 G3 | 18,726 | B2 U0 G3 |
| 16 | 20,962 | B2 U0 G3 | 21,401 | B2 U0 G3 |
| 700mA | | | | |
| 02 | 3,156 | B0 U0 G1 | 3,220 | B0 U0 G1 |
| 04 | 6,311 | B1 U0 G1 | 6,440 | B1 U0 G1 |
| 06 | 9,359 | B1 U0 G2 | 9,549 | B1 U0 G2 |

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>



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SHADE TREES (DECIDUOUS)

- ABM Autumn Blaze Maple
- SHL Skyline Honeylocust

ORNAMENTAL TREES (DECIDUOUS)

- RJFC Red Jewel Flowering Crabapple

EVERGREEN TREES

- FVJ Fairview Upright Juniper (upright)
- BHS Black Hills Spruce

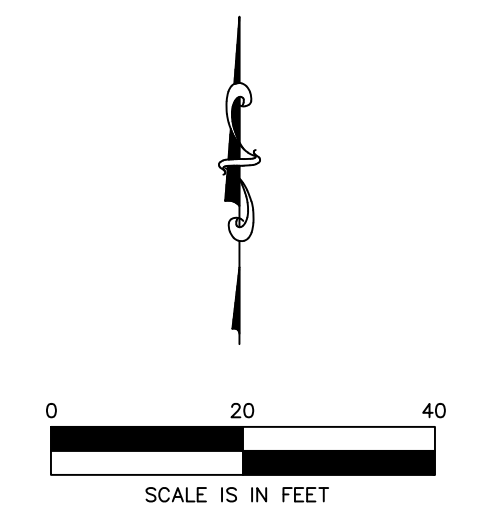
EVERGREEN SHRUBS

- TIY Taunton Intermediate Yew

DECIDUOUS SHRUBS

- DF Dwarf Fothergilla
- IH Incrediball Hydrangea
- DKOSR Double Pink Knock Out Rose
- MV Mohican Viburnum

PLANT ABBREVIATIONS



Overall Landscape Plan

SCALE: 1"=20'0"



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DRAWING ISSUE DATE
50% PROGRESS SET 02.16.18

PROJECT # 18.02

**Overall
Landscape
Plan**

L100

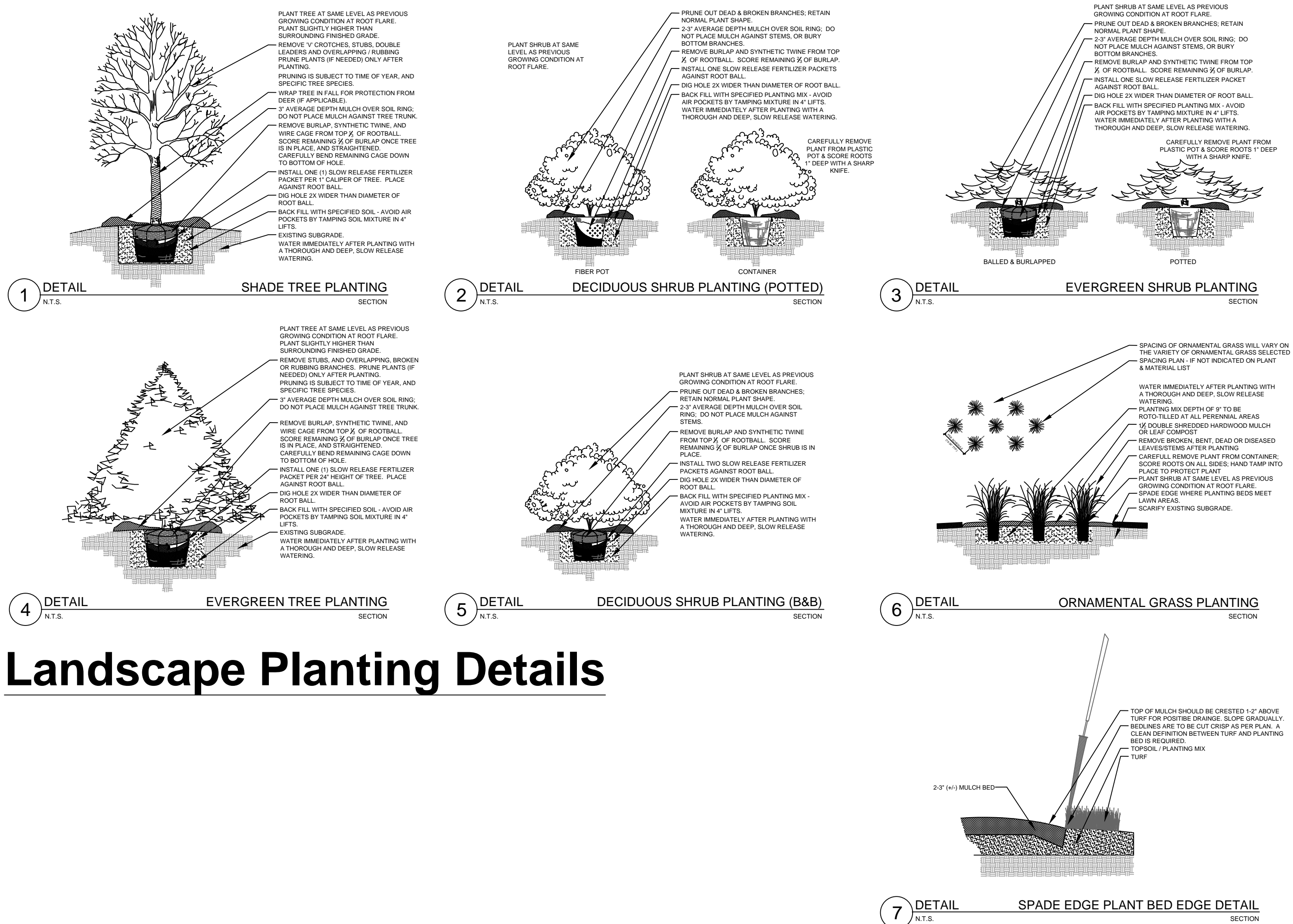
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Lake Geneva, Wisconsin 53147-1359
ph 262.639.9733
david@wdavilleheller.com
www.wdavilleheller.com

- Contractor responsible for contacting Diggers Hotline (811 or 800-242-8511) to have site marked prior to excavation or planting.
- Contractor to verify all plant quantities shown on Plant & Material List and landscape planting symbols and report any discrepancies to Landscape Architect or General Contractor.
- All plantings shall comply with standards as described in American Standard of Nursery Stock - Z60.1 ANSI (latest version). Landscape Architect reserves the right to inspect, and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged. No sub-standard "B Grade" or "Park Grade" plant material shall be accepted. Plant material shall originate from nursery(ies) with a similar climate as the planting site.
- Any potential plant substitutions must be approved by Landscape Architect or Owner. All plants must be installed as per sizes indicated on Plant & Material Schedule, unless approved by Landscape Architect. Any changes to sizes shown on plan must be submitted in writing to the Landscape Architect prior to installation.
- Topsoil in Parking Lot Islands (if applicable): All parking lot islands to be backfilled with topsoil to a minimum depth of 18" to insure long-term plant health. Topsoil should be placed within 3" of finish grade by General Contractor / Excavation Contractor during rough grading operations/activity. The landscape contractor shall be responsible for the fine grading of all disturbed areas, planting bed areas, and lawn areas. Crown all parking lot islands a minimum of 6" to provide proper drainage, unless otherwise specified.
- Tree Planting:** Plant all trees slightly higher than finished grade at the root flare. Remove excess soil from the top of the root ball, if needed. Remove and discard non-biodegradable ball wrapping and support wire. Removed biodegradable burlap and wire cage (if present) from the top 1/3 of the rootball and carefully bend remaining wire down to the bottom of the hole. Once the tree has been placed into the hole and will no longer be moved, score the remaining 2/3 of the burlap and remove the twine. Provide one slow release fertilizer packets (per 1" caliper) for each tree planted.
- Tree Planting:** Backfill tree planting holes 80% existing soils removed from excavation and 20% Soil Amendments (see Note 11). Avoid air pockets and do not tamp soil down. Discard any gravel, rocks, heavy clay, or concrete pieces. When hole is 2/3 full, trees shall be watered thoroughly, and water left to soak in before proceeding to fill the remainder of the hole. Water again to full soak in the new planting. Each tree shall receive a 3" deep, 4-5' diameter (see planting details or planting plan) shredded hardwood bark mulch ring / saucer around all trees. Do not build up any mulch onto the trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the Landscape Contractor.
- Shrub Planting:** All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a 50/50 mix of Soil Amendments with blended, pulverized topsoil. Install topsoil into all plant beds as needed to achieve proper grade and displace undesirable soils (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole(s) are 2/3 full, shrubs shall be watered thoroughly, and water left to soak in before proceeding. Provide slow-release fertilizer packets at the rater of 1 per 24" height/diameter of shrub at planting.
- Mulching:** All tree rings to receive a 3" deep layer of high quality shredded hardwood bark mulch (not pigment dyed or enviro-mulch). All shrub planting and perennial planting bed areas (groupings) shall receive a 2-3" layer of shredded hardwood bark mulch, and groundcover areas a 1-2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.
- Edging:** All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bedlines are to be cut crisp, smooth as per plan. A clean definition between landscape beds and lawn is required. Pack mulch against lawn edge to hold in place.
- Plant bed preparation/Soil Amendment composition:** All perennial, groundcover and annual areas (if applicable) are required to receive a blend of organic soil (Soil Amendments) amendments prior to installation. Roto-till the following materials at the following ratio, into existing soil beds or installed topsoil beds to a depth of approximately 8"-10". Containerized and balled & burlapped plant material should be back-filled with amended soil:
 - Per 100 SF of bed area (Soil Amendment composition):
 - 3/4 CY Peat Moss or Mushroom Compost
 - 3/4 CY blended/pulverized Topsoil
 - 1/4 CY composted manure
 - In roto-tilled beds only, also include in above mixture:
 - 2 lbs Starter Fertilizer
- Installation preparation for all seeded areas:** remove/kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil (if adequate or provide as in item #6 above) and seed bed by removing all surface stones 1" or larger. Apply a starter fertilizer (20-10-5, or approved comparable) and specified seed uniformly at the specified rate, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer specifications to Landscape Architect and Owner prior to installation. Erosion control measures are to be used in swales and on slopes in excess of 1:3 and where applicable (see Civil Engineering Drawings). Methods of installation may vary at the discretion of the Landscape Contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. A minimum of 2" of blended, prepared and non-compacted topsoil is required for all lawn areas. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind dispersal of mulch covering. Marsh hay containing reed canary grass is NOT acceptable as a mulch covering.
- An acceptable quality seed installation is defined as having:**
 - No bare spots larger than one (1) square foot
 - No more than 10% of the total area with bare areas larger than one (1) square foot
 - A uniform coverage through all turf areas
- Warranty and Replacements:** All plantings are to be watered thoroughly at the time of planting, through construction and upon completion of project as required. Trees, Evergreens, and Shrubs (deciduous and evergreen) shall be guaranteed (100% replacement) for a minimum of one (1) year from the date of project completion. Perennials, groundcovers, and ornamental grasses shall be guaranteed for a minimum of one (1) growing season. Perennials, groundcovers, and ornamental grasses planted after September 15th shall be guaranteed through May 31st of the following year. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Watering and general ongoing maintenance instructions are to be supplied by the Landscape Contractor to the Owner upon completion of the project.
- The Landscape Contractor is responsible for the watering and maintenance of all landscape areas for a period of 45 days after the substantial completion of the landscape installation. This shall include all trees, shrubs, evergreens, perennials, ornamental grasses, turf grass, no-mow grass, and native prairie seed mix / stormwater seed mix. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.
- Project Completion:** Landscape Contractor is responsible to conduct a final review of the project, upon completion, with the Landscape Architect, Client or Owner / Client Representative, and the General Contractor to answer questions, provide written care instructions for new plantings and turf, and insure that all specifications have been met.

Landscape General Notes



Landscape Planting Details

| PLANT KEY | QUANTITY | PLANT MATERIAL PROPOSED | | CALIPER/HEIGHT SIZE | ROOT | SPECIFICATION / NOTES |
|-------------------------------------|----------|---|------------------------------------|-------------------------------|-------|---|
| PLANT KEY | QUANTITY | BOTANICAL NAME | COMMON NAME | CALIPER/HEIGHT SIZE | ROOT | SPECIFICATION / NOTES |
| Proposed Landscape Materials | | | | | | |
| SHADE TREES (DECIDUOUS) | | | | | | |
| ABM | 2 | Acer xfreemianii 'Autumn Blaze' | Autumn Blaze Maple | 2.5" | B&B | Straight central leader, full and even crown. Prune only after planting |
| SHL | 2 | Gleditsia triacanthos 'Skyline' | Skyline Honeylocust | 2.5" | B&B | Straight central leader, full and even crown. Prune only after planting |
| ORNAMENTAL TREES (DECIDUOUS) | | | | | | |
| RJFC | 1 | Malus x 'Jewelcole' | Red Jewel Flowering Crabapple | 7-8' H | B&B | Well balanced multi-stemmed tree with minimum four canes, and full appearance |
| EVERGREEN TREES | | | | | | |
| FVJ | 8 | Juniperus scopulorum 'Fairview' | Fairview Upright Juniper (upright) | 5-6' | B&B | Evenly shaped tree with branching to the ground |
| BHS | 3 | Picea glauca 'densata' | Black Hills Spruce | 7-8' | B&B | Evenly shaped tree with branching to the ground |
| EVERGREEN SHRUBS | | | | | | |
| TIY | 25 | Taxus xmedia 'Tautoni' | Tauton Intermediate Yew | 24" | B&B | Full rounded well branched shrub |
| DECIDUOUS SHRUBS | | | | | | |
| DF | 4 | Fothergilla gardenii | Dwarf Fothergilla | 24" | B&B | Full, well rounded plant with moist rootball and healthy appearance |
| IH | 15 | Hydrangea arborescens 'Abetwo' | Incrediball Hydrangea | #5 | Cont. | Full, well rooted plant, evenly shaped |
| DKOSR | 2 | Rosa 'Double Knock Out' (Pink) | Double Pink Knock Out Rose | 18" | Cont. | Full, well rooted plant, evenly shaped |
| MV | 15 | Viburnum lantana 'Mohican' | Mohican Viburnum | 42" | B&B | Full, well rounded plant with moist rootball and healthy appearance |
| LAWN | | | | | | |
| | 2645 | Lawn Establishment Area / Grading Area | | | 5Y | Cedar Creek Premium Blue Tag Seed Mix (Ph: 888-313-6807) |
| | 23800 | Erosion Matting for sloped seeded areas | | see plan for area delineation | SF | EroTex D575 Erosion Control Blanket (or approved equal) |
| Hardscape Materials | | | | | | |
| | 17 | Shredded Hardwood Mulch (3" depth) | | 1,800SF | CY | Bark Mulch; apply Preemergent after installation of mulch |
| | 11 | Soil Amendments (2" depth) | | 1,800SF | CY | |
| | 73 | Pulverized Topsoil (Lawn Area) | | 23,800SF | CY | |
| | 11 | Pulverized Topsoil (2" over bed areas) | | 1,800SF | CY | |

*Landscape counts & quantities are provided as a service to the Landscape Contractor; Landscape Contractor is responsible for verifying these counts and quantities in order to provide a complete landscape installation as outlined on this Landscape Master Plan. In the event that a discrepancy occurs between this schedule and the Landscape Master Plan, the Landscape Master Plan, including the graphics and notations depicted therein, shall govern.

| | | |
|--|--|--------------------------------|
| Seed Compositions: | | |
| Cedar Creek Premium Blue Tag (Ph: 888-313-6807): | 10% Atlantis Kentucky Bluegrass | Seed at rate of 3# per 1000 SF |
| 10% Mid Atlantic Kentucky Bluegrass | 10% Dragon Kentucky Bluegrass | |
| 20% Merit Kentucky Bluegrass | 10% Palmer III Fine Perennial Ryegrass | |
| 20% Boreal Red Fescue | | |
| 20% Pennant Fine Perennial Ryegrass | | |

Plant & Material Schedule



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MILWAUKEE, WI 53224

DRAWING/ISSUE DATE
50% PROGRESS SET 02.16.18

PROJECT # 18.02

**Landscape
Details, Notes
& Schedules**

L101

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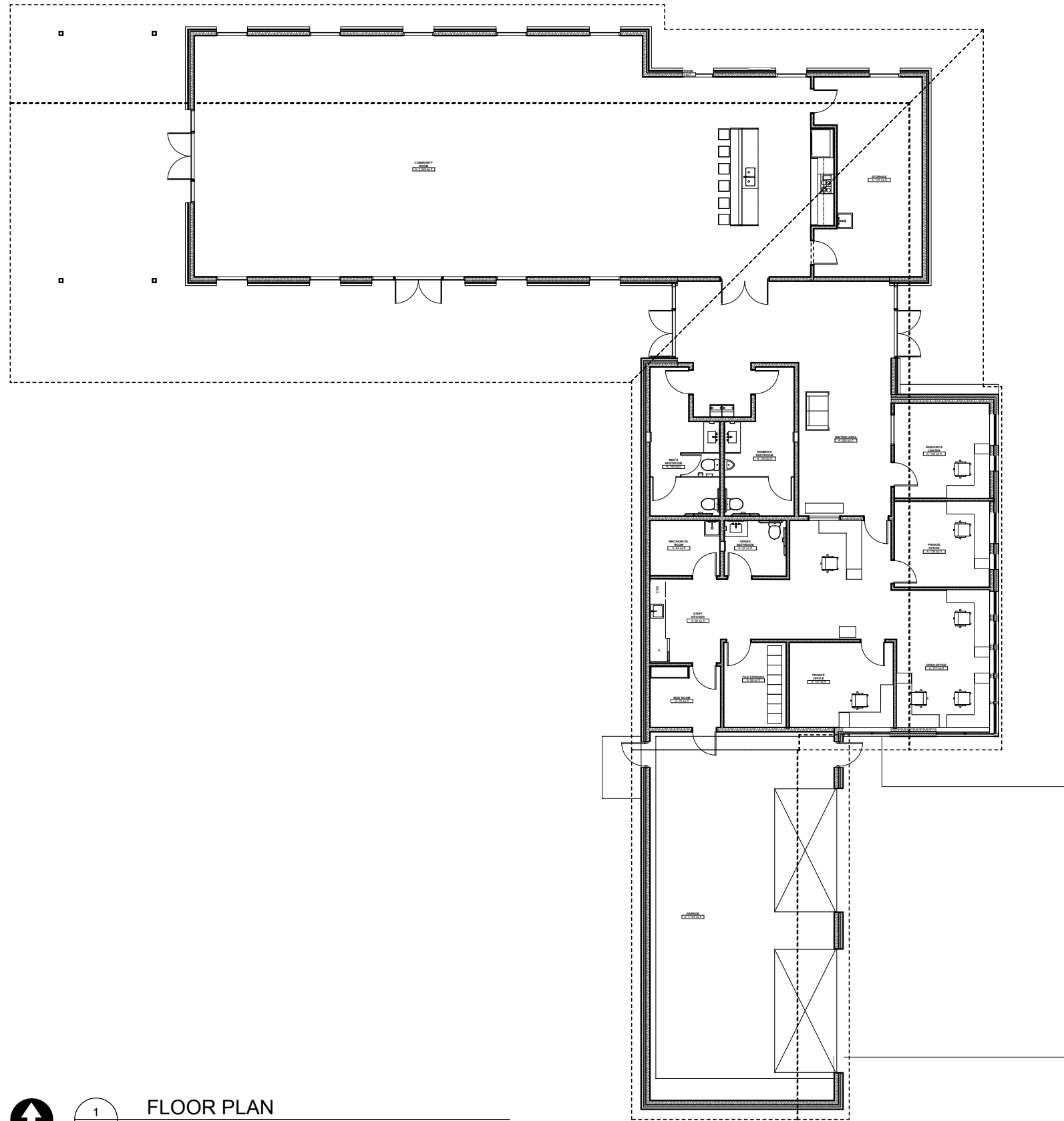
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LANDSCAPE ARCHITECTURE

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Lake Geneva, Wisconsin 53147-1359
ph 262.639.9733
david@wdavheller.com
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NORTH

1
A100

FLOOR PLAN
SCALE: 1/16" = 1'-0"



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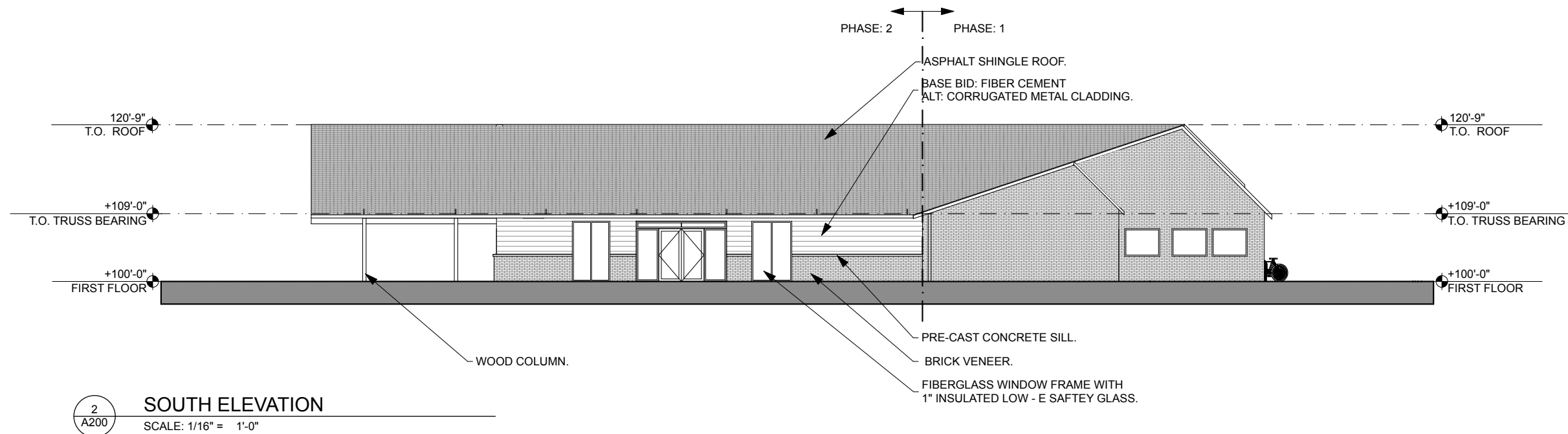
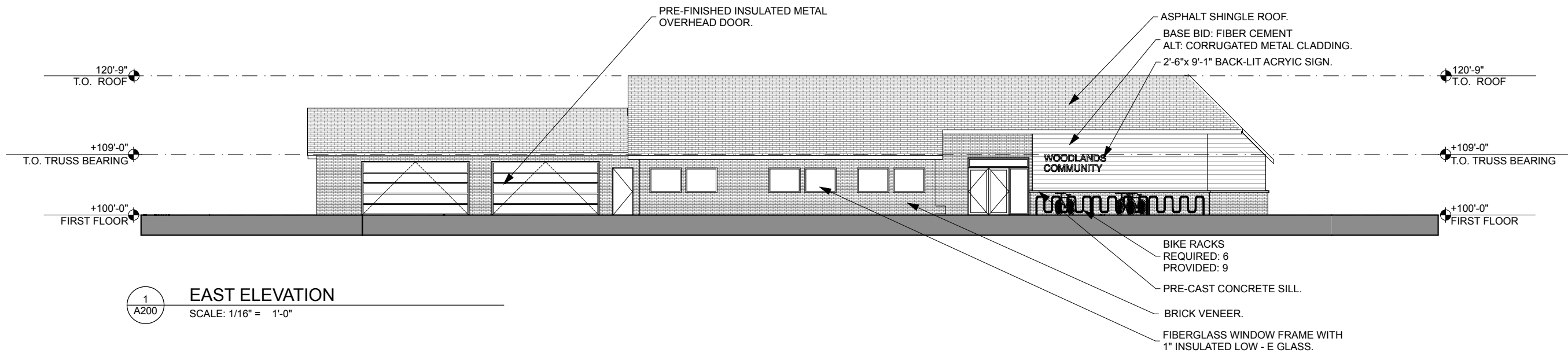
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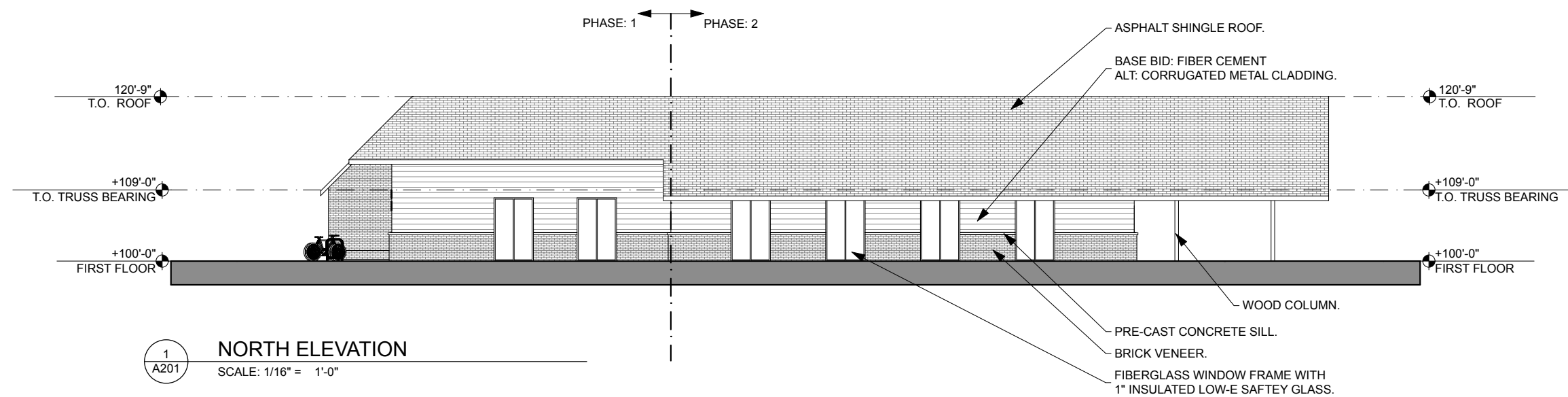
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DATE: 02.16.2018
PROJECT #: 18.02

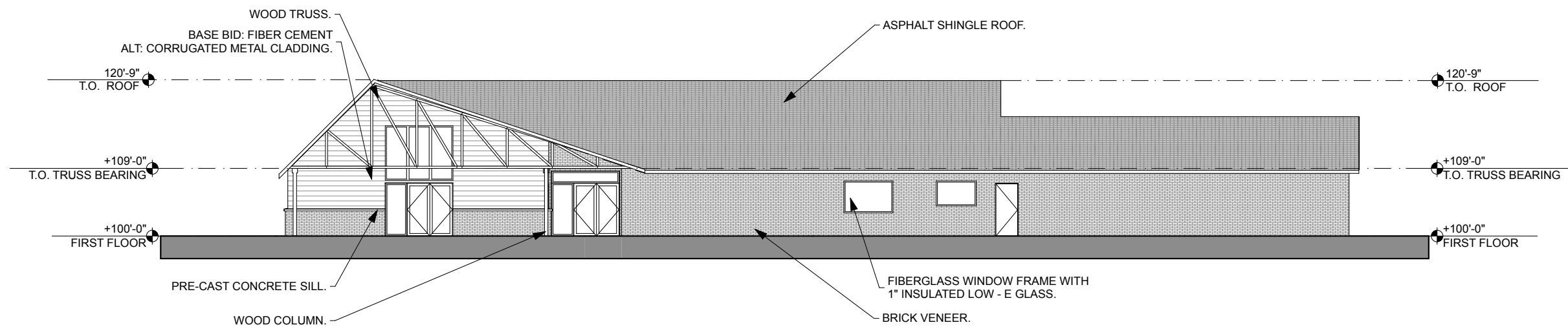
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1
A201
NORTH ELEVATION
SCALE: 1/16" = 1'-0"



2
A201
WEST ELEVATION
SCALE: 1/16" = 1'-0"



1
A700 VIEW FROM NORTH EAST



2
A700 VIEW FROM WEST



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8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

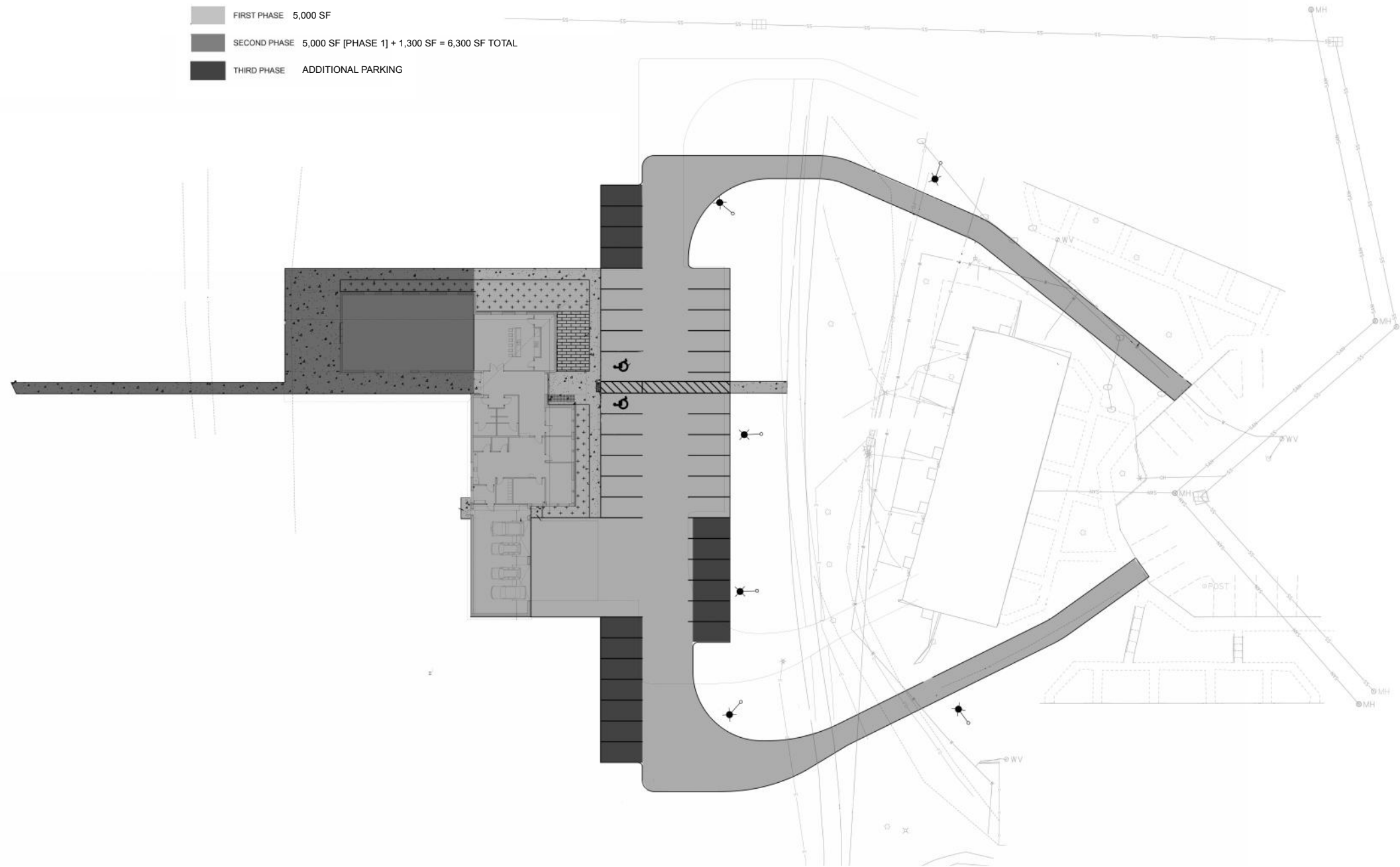
BUILDING
PERSPECTIVES

DATE: 02.16.2018
PROJECT #: 18.02

A700

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ARCHITECTS LLC

- FIRST PHASE 5,000 SF
- SECOND PHASE 5,000 SF [PHASE 1] + 1,300 SF = 6,300 SF TOTAL
- THIRD PHASE ADDITIONAL PARKING



NORTH

1
A800

PHASE DIAGRAM



6528 West North Avenue
Milwaukee, Wisconsin 53213
(414) 291-0772 phone
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WOODLANDS COMMUNITY BUILDING

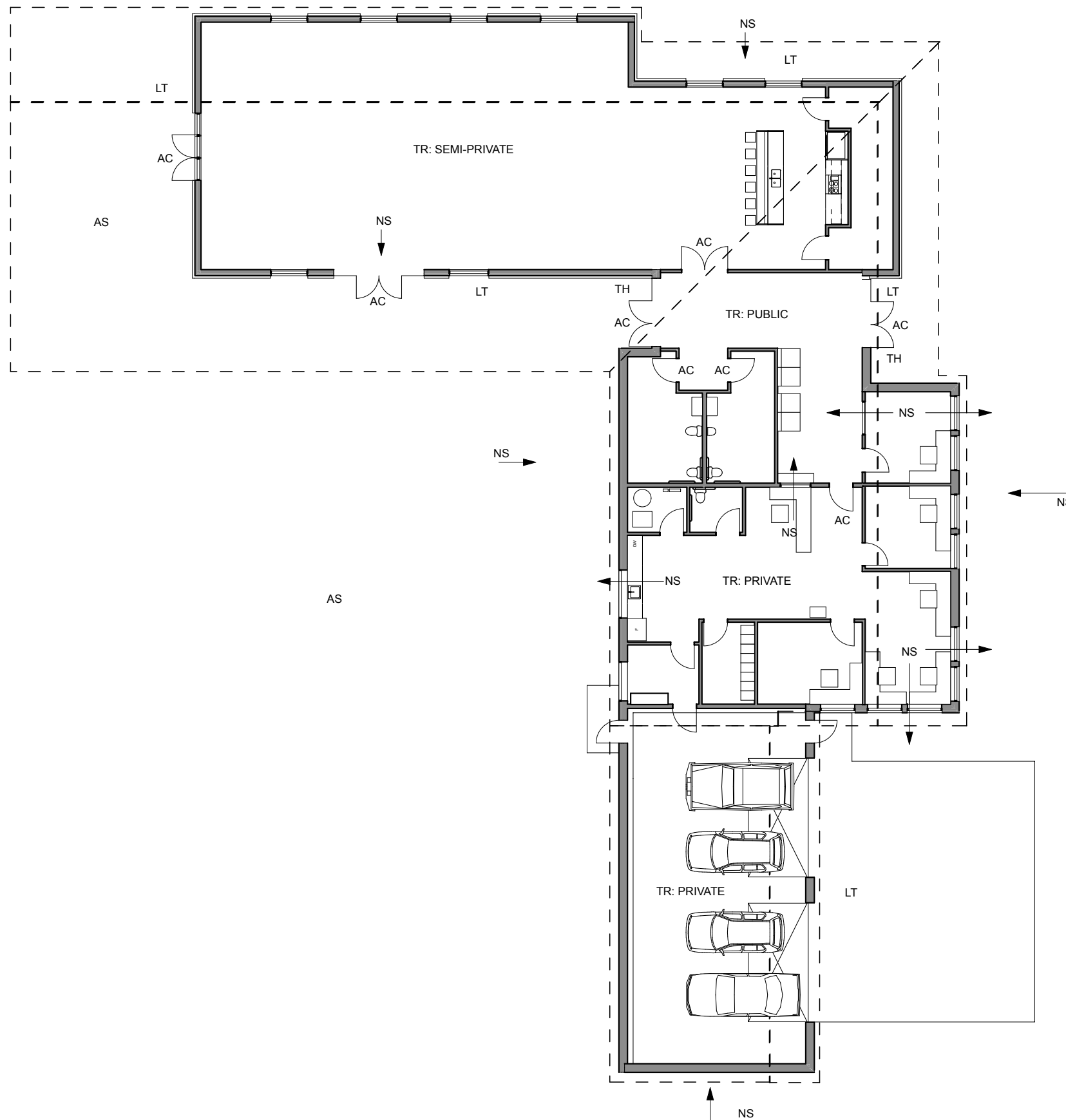
8951 NORTH 95TH STREET
MILWAUKEE, WI 53224

SITE DIAGRAMS:
PHASING PLAN

DATE: 02.16.2018
PROJECT #: 18.02

A800

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CPTED PRINCIPLES

- NS: Natural Surveillance**
- People engaged in their natural activities are able to easily observe the space around them.
- Applications:**
- All sides of the building can be seen from public sidewalks.
 - Spaces around the building can easily be observed from active spaces within the building.
- TR: Territoriality**
- Provide clear designation between public, semi-private and private areas.
- Applications:**
- Public, semi-private and private areas are all define as separate zones within the building.
- AC: Access Control**
- Decrease accessibility into spaces where a person with criminal intent Would not be easily seen.
- Applications:**
- All private, semi-private and even public areas in the building are accessed only through lockable doorways.
 - Bathrooms can also require a key that is only obtained at office window.
- LT: Building Perimeter Lighting**
- Provide a gentle all-over wash of light to keep visibility over all vulnerable sides of a building.
- Applications:**
- By providing a gentle wash of light around the building we can maintain a pleasant appearance while eliminating any dark hiding places.
- AS: Activity Support:**
- Promote the presence of responsible pedestrian use to increase community value while discouraging offenders who desire anonymity.
- Applications:**
- By integrating public gathering spaces around the building we increase the sense of community value and the perception of collective stewardship.
 - These out door gathering spaces serve as nodes of positive activity and broader site surveillance.
- TH: Target Hardening**
- Making the building more difficult to forcibly enter.
- Applications:**
- By using deep 1 inch throws on the dead bolts we can make points of entry more difficult to kick in.
 - Protective films may also be applied to glass surfaces to prevent forced entry by breaking glass.