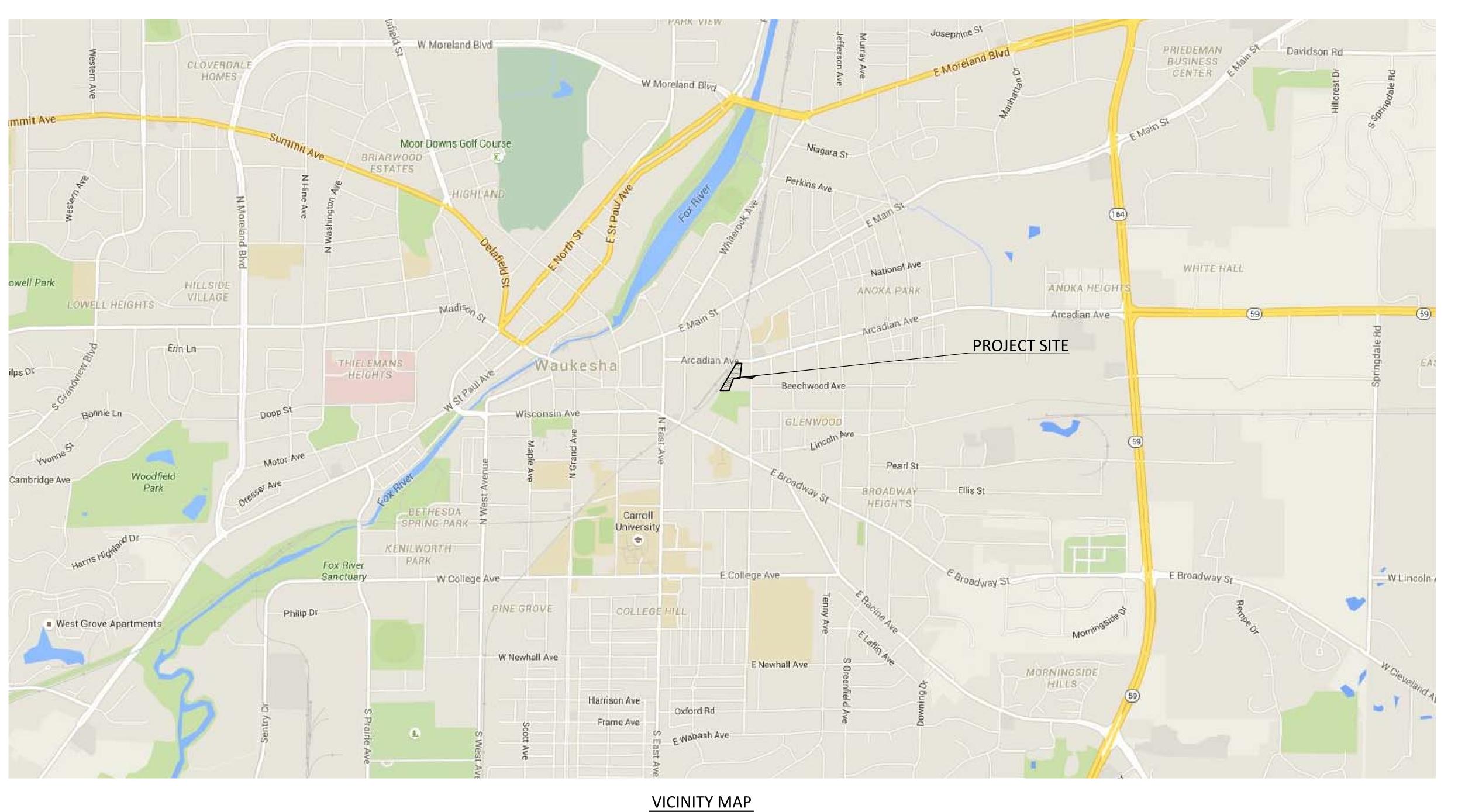
# PROPOSED DEVELOPMENT LA CASA CHARTER SCHOOL SE PARKING LOT 410 ARCADIAN AVE. WAUKESHA, WI

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PROJECT NAME:	LA CASA CHARTER SCHOOL SE PARKING LOT
PARCEL TAX I.D.#	WAKC 1302.340.005
CLIENT:	LA CASA DE ESPERANZA, INC. 410 ARCADIAN AVE. WAUKESHA, WI 53186 (262) 547-0887, PHONE
ENGINEER OF RECORD:	KAPUR & ASSOCIATES 7711 N. PORT WASHINGTON RD. MILWAUKEE, WI 53217 (414) 351-6668, PHONE (414) 351-4117, FAX
SURVEYOR OF RECORD:	JAHNKE & JAHNKE ASSOCIATES 711 W. MORELAND BLVD. WAUKESHA, WI 53188 (262) 542-5797, PHONE (262) 542-7698, FAX

PROJECT DATA



VICINITY MAP N.T.S.



322 East Michigan Street Milwaukee, WI 53202

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REVISIONS

Description



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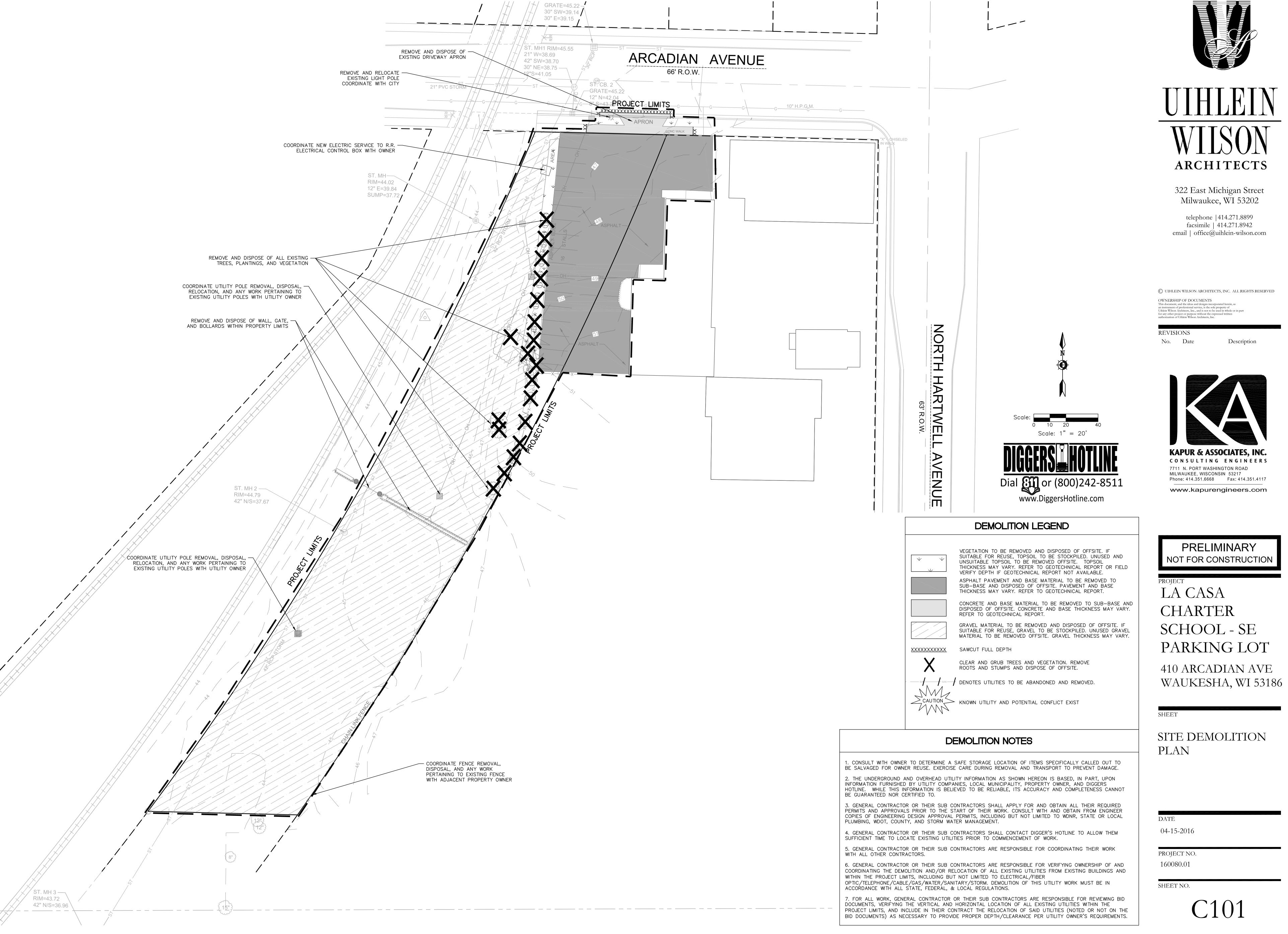
LA CASA CHARTER SCHOOL - SE PARKING LOT

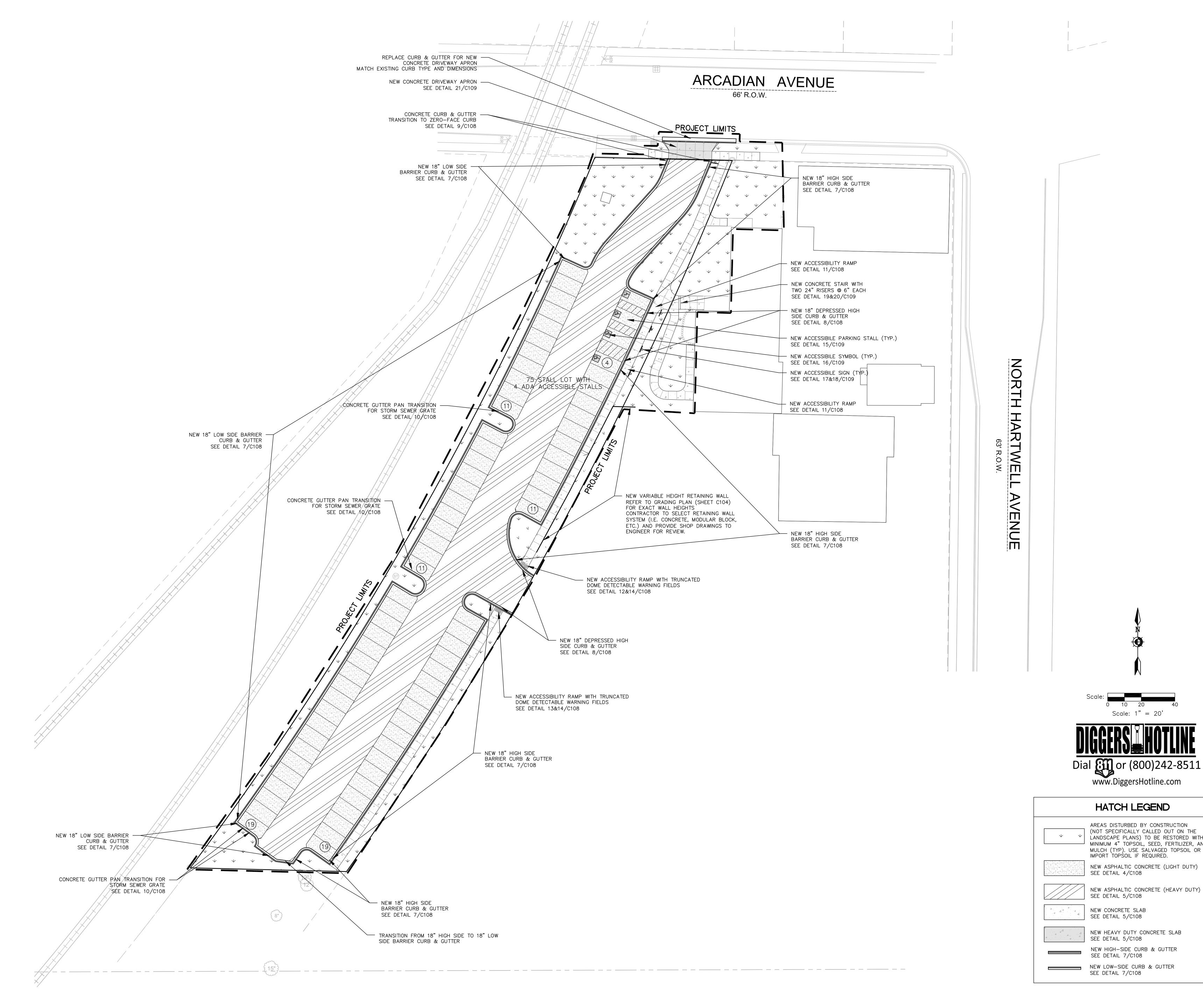
410 ARCADIAN AVE WAUKESHA, WI 53186

TITLE SHEET

04-15-2016

PROJECT NO. 160080.01







ARCHITECTS

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MILWAUKEE, WISCONSIN 53217 Phone: 414.351.6668 Fax: 414.351.4117 www.kapurengineers.com

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LA CASA CHARTER SCHOOL - SE PARKING LOT

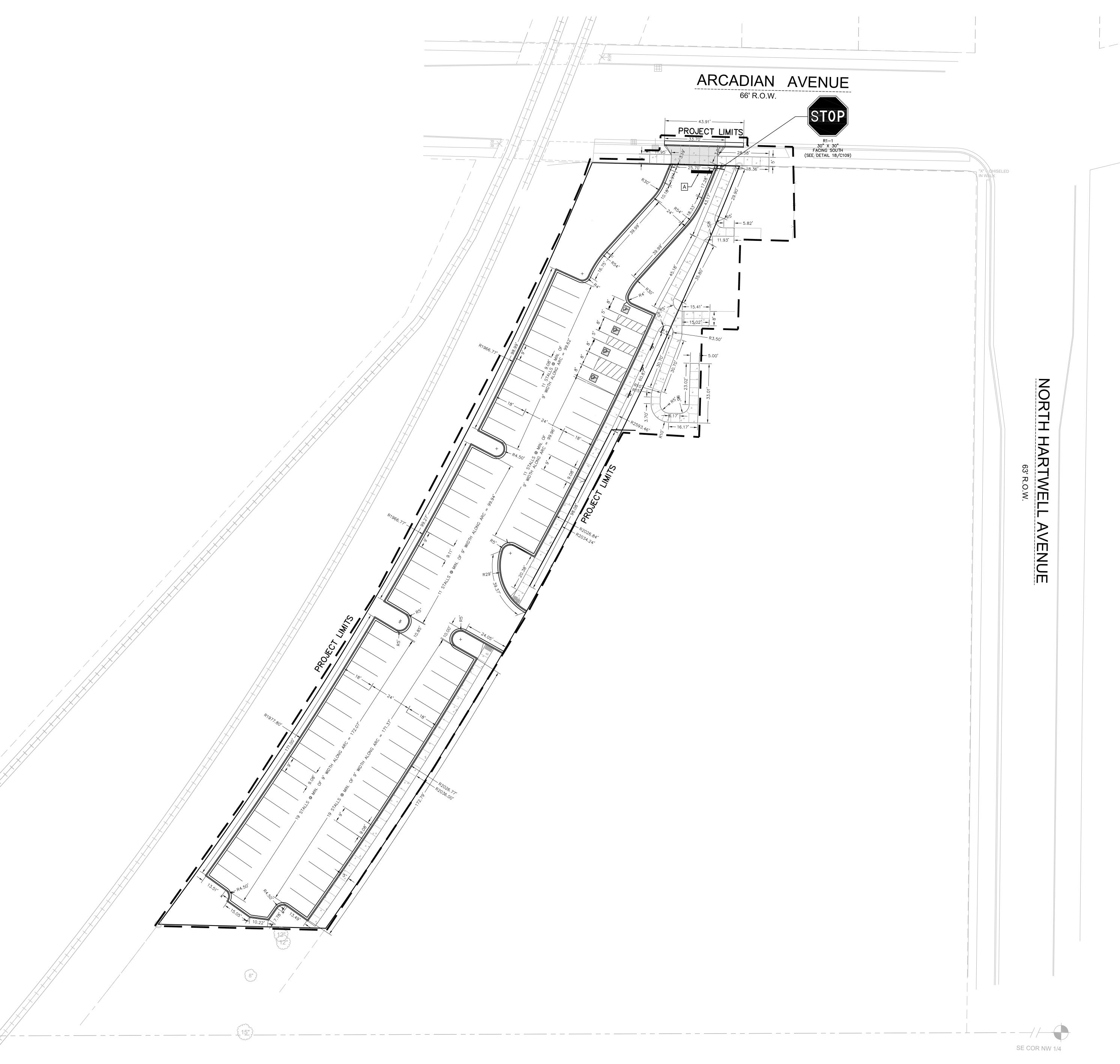
410 ARCADIAN AVE WAUKESHA, WI 53186

SHEET

SITE PLAN

E /ITH AND OR	
")	DATE
Υ)	04-15-20
	PROJECT
	160080.0
	SHEET NO

Scale: 1" = 20'





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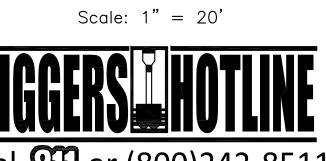
NOT FOR CONSTRUCTION
PROJECT
LA CASA

CHARTER
SCHOOL - SE
PARKING LOT

410 ARCADIAN AVE WAUKESHA, WI 53186

SHEET

SITE GEOMETRIC PLAN



Dial or (800)242-851: www.DiggersHotline.com

PAVEMENT MARKING LEGEND

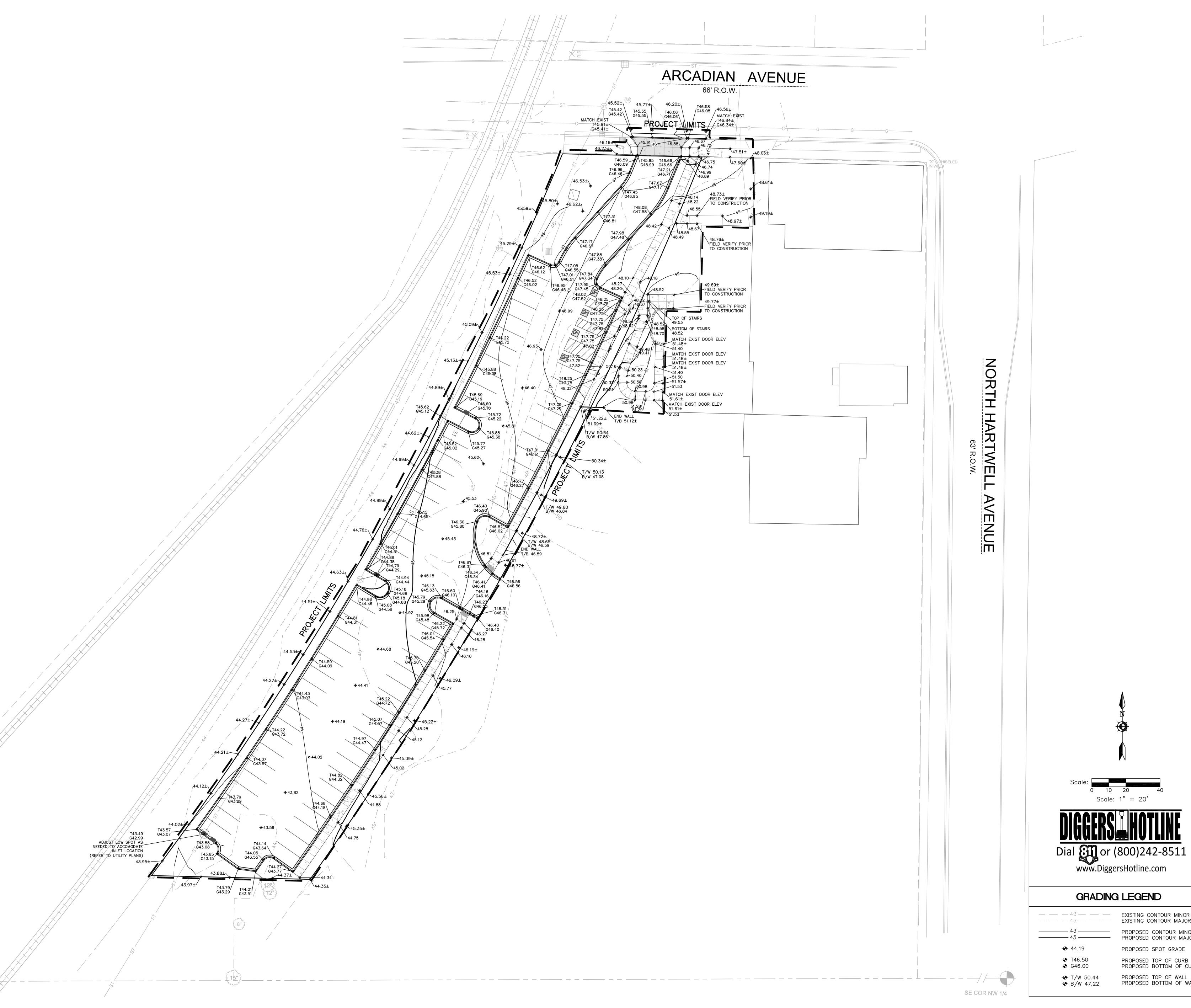
A PAVEMENT MARKING STOP LINE,
LATEX PAVEMENT MARKING PAINT, WHITE
(SEE WDOT PAVEMENT MARKING S.D.D.)

DATE 04-15-2016

PROJECT NO. 160080.01

SHEET NO.

C103





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PROJECT
LA CASA CHARTER SCHOOL - SE PARKING LOT

410 ARCADIAN AVE WAUKESHA, WI 53186

DATE

04-15-2016

PROJECT NO.

SITE GRADING PLAN

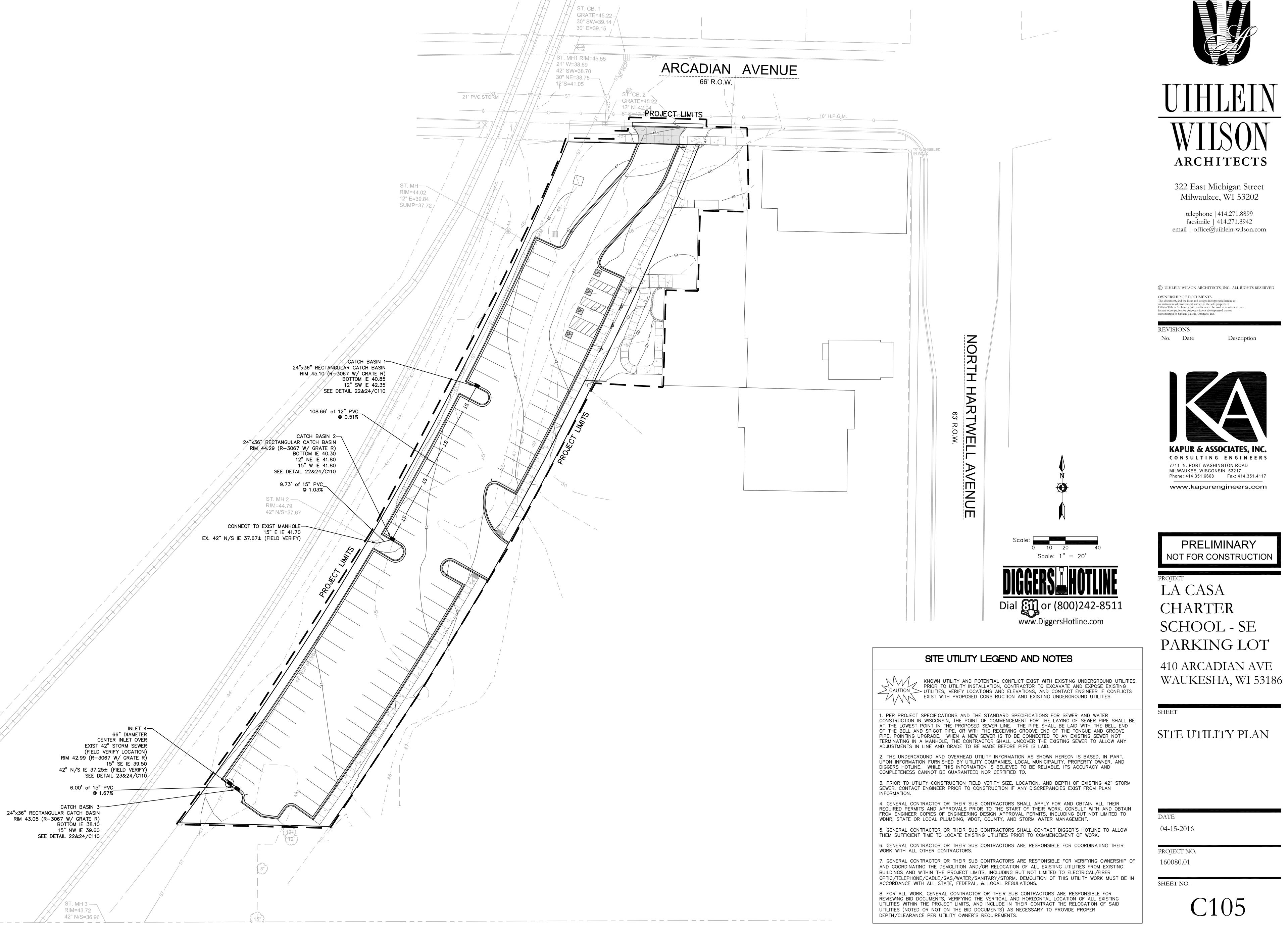
GRADING LEGEND

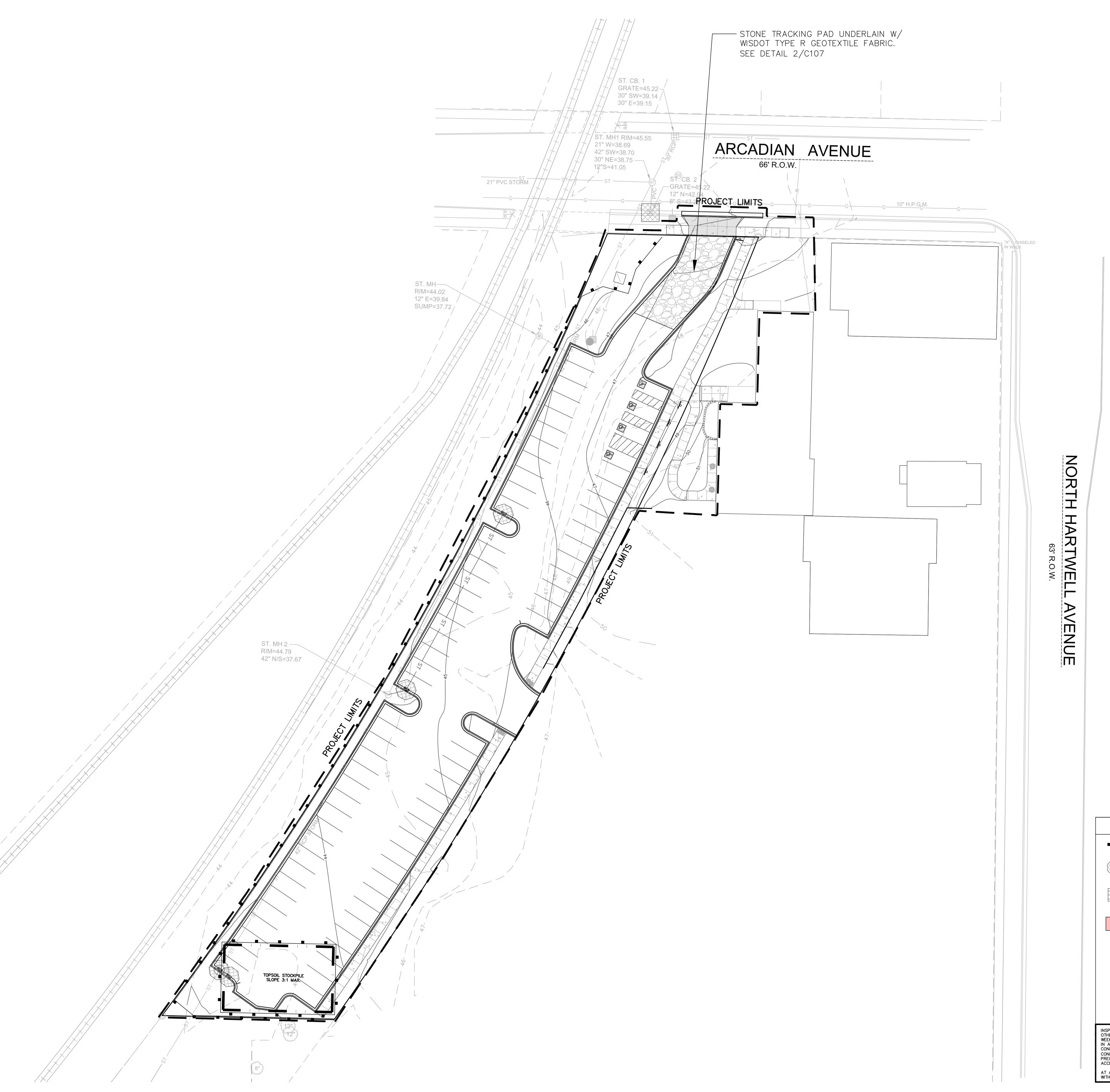
0 10 20 Scale: 1" = 20'

— — 43 — — EXISTING CONTOUR MINOR
— — 45 — — EXISTING CONTOUR MAJOR PROPOSED CONTOUR MINOR PROPOSED CONTOUR MAJOR PROPOSED SPOT GRADE

PROPOSED TOP OF CURB PROPOSED BOTTOM OF CURB PROPOSED TOP OF WALL PROPOSED BOTTOM OF WALL

160080.01 SHEET NO.







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PROJECT ENGINEER:

THOMAS PEREZ, P.E.
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7711 NORTH PORT WASHINGTON ROAD
MILWAUKEE, WI 53217
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CONSTRUCTION MANAGER:

# EROSION CONTROL LEGEND

FILTER FABRIC FENCE SEE DETAIL 1/C107

DESIGNATES PROPOSED INLETS THAT MUST BE PROTECTED AFTER THEY HAVE BEEN CONSTRUCTED. SEE DETAIL 4/C107

DESIGNATES EXISTING INLETS THAT MUST BE PROTECTED SEE DETAIL 4/C107

INSTALL EROSION MAT ON ALL SLOPES GREATER THAN 4:1 AND ALL DRAINAGE SWALES

USE CLASS I, TYPE A FROM WISDOT PRODUCT APPROVED LIST FOR ALL SIDE SLOPES

USE CLASS II, TYPE B FOR ALL DRAINAGE SWALES. INSTALL EROSION MAT ON THE BOTTOM OF AND A MINIMUM OF 2 FEET VERTICALLY UP THE SIDE SLOPES OF ALL DRAINAGE SWALES. CLASS I, TYPE A MAY BE USED FOR THE REMAINDER OF THE SIDE SLOPES IN DRAINAGE SWALES EXCEEDING 2 FEET VERTICALLY.

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN WETLANDS, WATERWAYS OR FLOOD PLAINS UNLESS IDENTIFIED IN THE PLANS.



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PARKING LOT
410 ARCADIAN AVE

WAUKESHA, WI 53186

SHEET

SITE EROSION CONTROL PLAN

ATE

04-15-2016

PROJECT NO. 160080.01

SHEET NO.

C106

### **EROSION CONTROL MEASURES**

- . CONTRACTOR TO INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN AND PER THE LATEST WDNR TECHNICAL STANDARDS. TECHNICAL STANDARDS MAY BE VIEWED ONLINE AT: http://dnr.wi.gov/runoff/stormwater/techstds.htm
- . INLETS AND CATCH BASINS SHALL BE PROTECTED WITH INLET FILTERS THAT ARE PHASED IN WITH CONSTRUCTION TO REDUCE SEDIMENT FROM ENTERING THESE AREAS PER WDNR TECHNICAL STANDARD 1060 AS FOLLOWS:
- A. ALL FABRIC BARRIERS SELECTED FOR INLET/CATCH BASIN PROTECTION DEVICES SHALL BE SELECTED FROM THE LIST OF APPROVED FABRICS CERTIFIED FOR INLET PROTECTION. GEOTEXTILE FABRIC. TYPE FF IN THE CURRENT EDITION O THE WDOT PRODUCT ACCEPTABILITY LIST, TO OBTAIN THE PAL. PLEASE REFER TO THIS WEBSITE: http://www.dot.wisconsin.gov/business/engrserv/pal.htm
- B. INLET PROTECTION SHALL BE AT A MINIMUM INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 1/2 INCH OR GREATER DURING A 24-HOUR PERIOD.
- C. PLACEMENT OF SPOIL MATERIAL, DEBRIS, SOILS, ETC. ON TOP OF INLETS/CATCH BASINS, EVEN IF TEMPORARY, IS STRICTLY DISCOURAGED AND PROHIBITED.
- D. SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO 1 THE DESIGN DEPTH OF THE DEVICE, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING PER MANUFACTURER'S SPECIFICATIONS. ALL SEDIMENT COLLECTED SHALL BE PROPERLY DISPOSED OF TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.
- E. DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLETS/CATCH BASINS AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET/CATCH BASIN SHALL BE REMOVED AND PROPERLY DISPOSED OF PER NOTE D ABOVE.
- F. INLET FILTERS MAY BE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF CONSTRUCTION, HAULING OR MOVEMENT OF CONSTRUCTION EQUIPMENT THROUGHOUT THE SITE, AND ONCE THE SITE IS ADEQUATELY STABILIZED, UNLESS AS OTHERWISE NOTIFIED BY THE WDNR.
- 3. A TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO REDUCE OFF-SITE SEDIMENTATION BY ELIMINATING THE TRACKING OF SEDIMENT FROM THE SITE PER WDNR TECHNICAL STANDARD 1057

AS FOLLOWS:

- A. A WISDOT TYPE R GEOTEXTILE FABRIC SHALL BE USED TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.
- B. AGGREGATE USED FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED BY 3 INCH SIEVE.
- THE AGGREGATE SHALL BE PLACED IN A LAYER ON TOP OF THE TYPE R GEOTEXTILE FABRIC AT LEAST 12 INCHES THICK.
- D. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT AND BE AT LEAST 50 FEET LONG.
- E. VEHICLES TRAVELING ACROSS THE TRACKING PAD SHALL MAINTAIN A SLOW CONSTANT SPEED.
- ANY SEDIMENT OR ROCK ACCUMULATION ONTO LOCAL ROADWAYS SHALL BE REMOVED BY STREET CLEANING, NOT FLUSHING BEFORE THE END OF EACH WORKING DAY.
- THE TRACKING PAD SHALL, AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT OF 1/2 INCH OF RAIN OR MORE DURING A 24-HOUR

EROSION CONTROL OPERATION SEQUENCE + SCHEDULE

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SILT FENCES, SEEDING

EROSION MATTING, AND OTHER EROSION CONTROL MEASURES. GENERAL CONTRACTOR SHALL INSPECT ALL

ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY

CONTRACTORS ARE TO MAINTAIN THE CONSTRUCTION SITE IN A NEAT AND TIDY MANNER FOR THE DURATION

. OBTAIN PLAN APPROVAL FROM THE CITY OF WAUKESHA, AND ALL APPLICABLE PERMITS, INCLUDING EROSION

2. CONSTRUCTION IS SCHEDULED TO BEGIN IN SUMMER 2016, DEPENDING ON WEATHER & GROUND CONDITIONS

3. A GRAVEL TRACKING PAD UNDERLAIN WITH WISDOT TYPE R GEOTEXTILE FABRIC, ALONG WITH A TEMPORARY

CULVERT IF NECESSARY, SHALL BE INSTALLED AS SHOWN ON THE PLANS. RE-GRADE EXISTING ROADWAY

4. SILT FENCE AND GRAVEL TRACKING PAD SHALL BE INSTALLED AS SHOWN ON THE PLANS, AND INSPECTED

DITCH AS NECESSARY. IF INSTALLED, THE TEMPORARY CULVERT SHALL BE REMOVED AT END OF

PRIOR TO COMMENCING OF ANY LAND DISTURBING ACTIVITIES PER PROJECT PLANS AND DETAILS.

5. EROSION CONTROL SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY

PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24-HOUR PERIOD. SEDIMENT SHALL BE REMOVED TO MAINTAIN THE 2 FOOT DEPTH OF THE TREATMENT SURFACE AREA AS MEASURED

FROM THE INVERT OF THE PRINCIPAL OUTLET. SEDIMENT MAY NEED TO BE REMOVED MORE FREQUENTLY. I

THE OUTLET BECOMES CLOGGED IT SHALL BE CLEANED TO RESTORE FLOW CAPACITY. SEDIMENT TO BE

7. SITE DEMOLITION OF PAVEMENT, ETC. WILL OCCUR AFTER ALL EROSION CONTROL MEASURES ARE IN PLACE.

LANDSCAPE CONTRACTOR WILL COMPLETE SEEDING/SODDING/FERTILIZING/MULCHING AND INSTALL EROSION

12. FINAL SITE STABILIZATION IS ANTICIPATED FOLLOWING THE COMPLETION OF GRADING ACTIVITIES. IF SITE

STABILIZATION CANNOT BE COMPLETED BY OCTOBER 1, THEN THE USE OF ANIONIC POLYACRYLAMIDE

13. AFTER ALL TOPSOIL HAS BEEN REAPPLIED AND STABILIZATION IS UNDERWAY, ROADWAY, PARKING LOT.

14. THE GENERAL CONTRACTOR WILL REQUEST A FINAL INSPECTION BY THE CITY. UPON APPROVAL, ALL SILT FENCES, INLET FILTER PROTECTION, AND OTHER EROSION CONTROL DEVICES SHALL BE REMOVED.

15. IF REQUIRED, FINAL "AS-BUILT" SURVEYS ARE TO BE CONDUCTED BY THE OWNER AND FINAL DOCUMENTS

16. BARE SOIL LEFT UNDISTURBED FOR 14 CALENDAR DAYS MUST BE TEMPORARILY STABILIZED PER WDNR TECHNICAL STANDARD 1059, OR TEMPORARY GRADING PRACTICES PER WDNR TECHNICAL STANDARD 1067

17. WE DO NOT ANTICIPATE THE NEED FOR WATERING WITH THIS CONSTRUCTION SCHEDULE, HOWEVER, IF

IF CONSTRUCTION SCHEDULES SHOULD CHANGE SIGNIFICANTLY, THIS PLAN NARRATIVE WILL BE UPDATED AND

DURING THE CONSTRUCTION PROCESS, WATER SHALL BE TRUCKED IN AND APPLIED ONCE PER WEEK.

MAY BE IMPLEMENTED. HOWEVER BY OCTOBER 1, THE SITE SHALL BE STABILIZED PER NOTE 12 ABOVE.

ADEQUATE RAIN IS NOT EXPERIENCED WITHIN ONE WEEK AFTER INITIAL SEED GERMINATION AT ANY POINT

9. TOPSOIL STRIPPING AND ROUGH GRADING WILL FOLLOW. GRAVEL AND TOPSOIL STOCKPILES WILL BE

LOCATED AS SHOWN ON THE PLANS. UNUSED STOCKPILES WILL BE REMOVED FROM THE SITE.

10. UTILITY INSTALLATION WILL OCCUR NEXT AND CONTINUE UNTIL ALL THE UTILITIES ARE INSTALLED.

11. AFTER ROUGH GRADING IS COMPLETE IN AREAS OUTSIDE OF PROPOSED ROADWAYS, PARKING LOTS,

BUILDINGS, AND ALL OTHER HARD SURFACE AREAS, THE TOPSOIL WILL BE REAPPLIED AND THE

PRECIPITATION EVENT OF ½ INCH OR GREATER. IN ADDITION, THE ACTIVE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION,

ALL REGULATORY PERMITS, PROJECT PLANS, AND INSPECTION LOGS SHALL BE KEPT ON SITE IN AN

ACCESSIBLE LOCATION, SUCH AS A MAILBOX, AVAILABLE TO REGULATORY AGENCIES UPON REQUEST.

EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING, OR OTHER LAND DISTURBING

AFTER BIDS ARE RECEIVED AND A MASS GRADING CONTRACTOR IS SELECTED, A PRE-CONSTRUCTION MEETING

H. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

SHALL TAKE PLACE WITH ALL RELEVANT PARTIES IN ATTENDANCE.

THE TIMING AND SEQUENCE OF CONSTRUCTION IS SCHEDULED AS FOLLOWS:

REMOVED AFTER CONSTRUCTION & SITE STABILIZATION IS COMPLETE.

MATTING AS PER APPROVED PLANS AND SPECIFICATIONS.

RESUBMITTED BY THE GENERAL CONTRACTOR TO THE CITY AND WDNR,

CONFORMING TO WDNR TECHNICAL STANDARD 1050 SHALL BE USED.

AND SIDEWALK BASE MATERIAL WILL BE APPLIED PER PROJECT SPECIFICATIONS.

I. A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.

AND WEATHER CONDITIONS IN A DAILY LOG BOOK.

CONSTRUCTION ACTIVITIES.

FORWARDED TO THE CITY.

- 4. THE CONSTRUCTION SITE PERIMETER AND TOPSOIL STOCKPILE AREA SHALL BE PROTECTED WITH SILT FENCE AS SHOWN ON THE PLAN SHEET PRIOR TO THE START OF CONSTRUCTION TO INTERCEPT AND REDUCE THE FLOW OF SEDIMENT-LADEN SHEET FLOW RUNOFF FROM THE CONSTRUCTION SITE PER WDNR TECHNICAL STANDARD 1056 AS FOLLOWS:
- A. SILT FENCE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE AS SHOWN ON THE PLAN
- B. INSTALLED SILT FENCE SHALL BE A MINIMUM 14 INCHES HIGH AND SHALL NOT EXCEED 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED
- C. SILT FENCE SHALL BE SUPPORTED BY EITHER STEEL OR WOOD SUPPORT POSTS.

GROUND ELEVATION.

- D. THE MAXIMUM SPACING OF POSTS FOR NONWOVEN SILT FENCE SHALL BE 3 FEET OR FOR WOVEN FABRIC 8 FEET.
- E. SILT FENCE SHALL HAVE A SUPPORT CORD AT THE TOP OF THE FENCE.
- F. WHERE JOINTS ARE NEEDED, EACH END OF THE FABRIC SHALL BE SECURELY FASTENED TO A POST. THE POSTS SHALL BE WRAPPED AROUND EACH OTHER TO PRODUCE A STABLE AND SECURE JOINT OR SHALL BE OVERLAPPED THE
- G. A MINIMUM OF 20 INCHES OF THE POSTS SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.

DISTANCE BETWEEN TWO POSTS.

- H. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4 INCH WIDE BY 6 INCH DEEP TRENCH, OR 6 INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. THE TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED ANY WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
- ON THE TERMINAL ENDS OF THE SILT FENCE THE ABRIC SHALL BE WRAPPED AROUND THE POST SUCH THAT THE STAPLES ARE NOT VISIBLE.
- J. GEOTEXTILE FABRIC SPECIFICATIONS SHALL MEET VALUES ESTABLISHED IN TECHNICAL STANDARD
- K. SILT FENCE SHALL BE REMOVED ONCE THE SITE
- L. WHEN PLACING SILT FENCE NEAR TREES, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE ROOT SYSTEM BY AVOIDING COMPACTION AND ROOT CUTTING WITHIN 1.5 FEET MULTIPLIED BY
- THE INCH DIAMETER OF THE TREE. M. THE CONTRACTOR MAY FURTHER STRENGTHEN THE SILT FENCE BY USING HAY BALES ON THE
- DOWN SLOPE SIDE AS NEEDED. N. SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 1/2 INCH
- OF RAIN OR MORE DURING A 24 HOUR PERIOD O. DAMAGED OR DECOMPOSED SILT FENCE. UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR
- P. SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH 1/2 THE HEIGHT OF THE FENCE TO PREVENT DISCHARGE INTO AREA WATERWAYS AND WETLANDS.

- 5. SEEDING AND MULCHING TECHNIQUES SHALL BE USED ON AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED. TEMPORARY SEEDING APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND-DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 CALENDAR DAYS, REQUIRING VEGETATIVE COVER FOR LESS THAN ONE YEAR. SEED AND MULCH SHALL BE UTILIZED THROUGHOUT HE DURATION OF CONSTRUCTION TO ESTABLISH TEMPORARY VEGETATION TO HELP REDUCE EROSION PER WDNR TECHNICAL STANDARDS 1059 AND 1058
- A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.
- B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEEDING. HOWEVER, ANY APPLICATION OF FERTILIZER OR LIME SHALL BE BASED ON SOIL TESTING.
- C. THE SOIL SHALL HAVE A PH RANGE OF 5.5 TO 8.0.

RESPECTIVELY AS FOLLOWS:

- D. ALL SEED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN STATE STATUTES AND OF THE ADMINISTRATIVE CODE CHAPTER ATCP 20.01 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING.
- E. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL. F. IN THE SUMMER-SPRING, CONTRACTOR SHALL USE OATS APPLIED AT 131 LBS/ACRE FOR TEMPORARY SEEDING PURPOSES. IN THE FALL THE
- CONTRACTOR SHALL USE ANNUAL RYEGRASS APPLIED AT 80 LBS/ACRE OR WINTER WHEAT APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 1.5 TONS/ACRE. DORMANT SEED SHALL BE USED WHEN SOIL TEMPERATURE IS CONSISTENTLY BELOW 53 DEGREES FAHRENHEIT (TYPICALLY NOV. 1 UNTIL SNOW COVER ANNUALLY). NEVER PLACE SEED ON TOP OF SNOW. IF COVER IS NEEDED AFTER SNOW FALL, CONTRACTOR MAY CHOOSE TO USE A DRY, NONTOXIC TYPE B SOIL STABILIZER PER MANUFACTURER'S SPECIFICATIONS AS REQUIRED BY THE
- G. SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET. H. CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT
- DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEEDED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 1/2 INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOD IS LAID. REPAIR AND RESEED AREAS THAT HAVE EROSION DAMAGE AS NECESSARY.
- J. CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED AS MUCH AS POSSIBLE. RE-SEED DRIVEN OVER AREAS AS NEEDED.
- K. MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.
- MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT
- M. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.
- N. WHEN CHANNEL EROSION MAT IS USED WITHIN CONSTRUCTION SITE DIVERSION AREAS, TECHNICAL STANDARDS 1053 AND 1066 SHALL BE
- WHEN NON-CHANNEL EROSION MAT IS USED TECHNICAL STANDARD 1052
- P. DEPENDING ON DURATION OF CONSTRUCTION, THE CONTRACTOR MAY NEED TO RE-SEED AND RE-STABILIZE THE TOPSOIL STOCKPILE AS NECESSARY TO DISCOURAGE SEDIMENT AND EROSION.
- 6. A COPY OF EROSION CONTROL INSPECTION REPORTS AND THE APPROVED EROSION CONTROL PLANS SHALL BE KEPT ON SITE.
- 7. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL PRACTICES BY THE END
- 8. LOCAL ROADS SHALL BE CLEAN BY THE END OF EACH WORKDAY. CONTRACTOR SHALL HAVE LOCAL ROADS SWEPT WHERE SEDIMENT ACCUMULATES.

### **DEWATERING PLAN**

### TO FACILITATE CONSTRUCTION AT THE PROJECT SITE, DEWATERING MAY TAKE PLACE BY THE SELECTED CONTRACTOR. CONTRACTOR TO FOLLOW THESE INSTRUCTIONS WHILE PERFORMING DEWATERING ACTIVITIES ON-SITE.

- NOTE: THESE INSTRUCTIONS DO NOT APPLY TO WATER BEING DISCHARGED DIRECTLY TO GROUNDWATER OR KARST FEATURES OR WELL DEWATERING SYSTEMS. CONTRACTOR SHALL COORDINATE ACCORDINGLY FOR OTHER DEWATERING ACTIVITIES AS DEEMED NECESSARY WITH THE WDNR. THE CONTRACTOR SHALL ENSURE THAT THE DEWATERING PRACTICES CARRIED OUT MEET OR EXCEED
- WNDR TECHNICAL STANDARD NUMBER 1061. 2. A PAN OR OTHER CONTAINMENT DEVICE SHALL BE PLACED UNDERNEATH THE PUMP TO CAPTURE ANY SPILLS. OILS, GASOLINE, ETC. SHALL NOT BE STORED WITHIN WETLANDS, NEAR THE STORMWATER POND, OR OTHER ON-SITE WATER AREAS.
- 3. A TYPE 2 GEOTEXTILE BAG THAT IS NO SMALLER THAN 100 SQUARE FEET; HAS A MAXIMUM APPARENT OPENING SIZE OF 0.212 mm; HAS A GRAB TENSILE STRENGTH OF 300 LBS; MULLEN BURST OF 580 PSI; PERMEABILITY OF 0.2 CM/SEC; FABRIC WEIGHT OF 12 OZ SHALL BE USED. THE GEOTEXTILE BAG AREA AND DOWNGRADE FLOW AREA SHALL CONSIST OF VEGETATED AND UNDISTURBED SOILS. 4. POLYMER APPROVED BY THE WDNR MEETING WDNR TECHNICAL STANDARD 1051 MAY BE USED IN
- COMBINATION WITH THE DEWATERING BAG IF THE DEWATERING BAG IS NOT DOING AN ADEQUATE JOB ALONE OF FILTERING SEDIMENTS. THE CONTRACTOR SHALL SUPPLY TOXICITY TESTING DATA TO THE WDNR BEFORE USE ON-SITE FOR WDNR APPROVAL. POLYMER SHALL NOT BE DIRECTLY APPLIED TO SURFACE WATER. CONTRACTOR SHALL OBTAIN THE POLYMER MATERIAL SAFETY DATA SHEETS (MSDS) FOR THE SELECTED POLYMER, MANUFACTURER'S INFORMATION AND WDNR USE RESTRICTIONS (SEE TECHNICAL STANDARD 1051) AND KEEP ALL THIS INFORMATION ON-SITE. CONTRACTOR SHALL ADHERE TO MANUFACTURER AND WDNR'S APPLICATION RATES FOR THE POLYMER. THE APPLICATION RATE SHALL NOT EXCEED THE WDNR USE RESTRICTION, EVEN IF THIS IS THE RECOMMENDED RATE BY THE MANUFACTURER. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE POLYMER IS NOT SPILLED. THE MANUFACTURER'S RECOMMENDED CLEANUP PROCEDURES SHALL BE FOLLOWED IN THE EVENT OF A
- 5. A TARP MAY BE UTILIZED UNDERNEATH THE TYPE 2 GEOTEXTILE BAG AND JUST DOWN SLOPE OF THE BAG TO DISCOURAGE EROSION AND SCOUR.
- 6. A FLOATING SUCTION HOSE OR OTHER FLOTATION METHOD SHALL BE UTILIZED WHEN PUMPING FROM AN AREA WITH STANDING WATER TO AVOID SUCKING SEDIMENT FROM GRADE. 7. IF TURBID WATER IS LEAVING THE GEOTEXTILE BAG, THE CONTRACTOR SHALL SHUT OFF THE PUMP TO ALLOW SEDIMENTS TO SETTLE INTO THE BAG. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S SPECIFICATIONS FOR DETERMINING THE SEDIMENT CAPACITY OF THE GEOTEXTILE BAG USING GOOD COMMON SENSE. SEDIMENT LEVELS CONTAINED IN THE BAG SHALL BE MONITORED TO MEASURE THE

LOSS OF STORAGE CAPACITY OVER TIME. THE CONTRACTOR SHALL PROPERLY DISPOSE OF THE

- GEOTEXTILE BAG IN A WASTE RECEPTACLE ONCE IT IS NO LONGER USED. 8. DURING DEWATERING ACTIVITIES THE CONTRACTOR SHALL MONITOR DEWATERING PRACTICES AND KEEP A LOG OF THE FOLLOWING:
- A. DISCHARGE DURATION AND SPECIFIED PUMPING RATE.
- B. OBSERVED WATER TABLE AT TIME OF DEWATERING.
- MAINTENANCE ACTIVITIES
- D. NAME AND QUANTITY OF POLYMER USED. PRODUCT TYPE
- E. APPLICATION RATE OF POLYMER IN POUNDS/ACRE FEET OF WATER.
- F. DATE AND TIME APPLIED.
- G. WEATHER CONDITIONS DURING APPLICATION. H. METHOD OF APPLICATION.
- THIS LOG NEEDS TO BE KEPT ON SITE FOR WDNR REGULATORY REVIEW. COPIES OF THIS DOCUMENTATION SHOULD BE KEPT IN THE CONTRACTOR'S MONITORING LOG AND MADE AVAILABLE UPON REQUEST. REVIEW THE FOLLOWING FOR MORE INFORMATION:
- WDNR TECHNICAL STANDARD 1061 FOR DEWATERING -
- http://dnr.wi.gov/runoff/pdf/stormwater/techstds/erosion/Dewatering\_1061.pdf
- WDNR TECHNICAL STANDARD 1051 FOR POLYMER http://dnr.wi.gov/runoff/pdf/stormwater/techstds/erosion/Dewatering\_1061.pdf

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE, ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY , 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS WPDES PERMIT & CHAPTER 30 PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX, WITHIN THE STAGING AREA.

AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC. BE PLACED WITHIN

WETLANDS, WATERWAYS OR FLOODPLAINS UNLESS IDENTIFIED IN THE PLANS & APPROVED BY DNR/

### WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY. 3 - 4 FEET IN LENGTH, BURIED 20-INCHES FENCE POST AND GEOTEXTILE INTO THE GROUND. 3" MAX. SUPPORT CORD - > FLOW DIRECTION OR TENSION TAPE FENCE GEOTEXTILE FLOW DIRECTION ——— TRENCH SHALL BE A -MIN. 4-INCHES WIDE AND 6-INCHES DEEP 1 BURY AND ANCHOR - ANCHOR STAKE BACKFILL & COMPACT-MATERIAL TO FIT MIN. 18" LONG TRENCH WITH EXCAVATED SOIL TRENCH, BACKFILL AND COMPACT WITH EXCAVATED SOIL. TRENCH DETAIL SILT FENCE TIE BACK (WHEN ADDITIONAL SUPPORT REQUIRED) **GENERAL NOTES:** GEOTEXTILE: FLOW DIRECTION FLOW DIRECTION ADDITIONAL POST DEPTH OR TIE BACKS GEOTEXTILE MAY BE REQUIRED IN UNSTABLE SOILS. STEP 1: 1'-0" MIN. (SEE DETAIL) WOOD -TRFNCH ATTACH THE FABRIC TO THE POSTS WITH (SEE DETAIL) WIRE STAPLES OR WOODEN LATH AND NAILS \*8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED. IF POSSIBLE, CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING METHODS: — GEOTEXTILE (1)TWIST METHOD: OVERLAP END POSTS & TWIST AT LEAST 180 DEGREES. (2)HOOK METHOD: HOOK THE END OF EACH SILT FENCE LENGTH.

**AXONIMETRIC VIEW** FILTER FABRIC SILT FENCE DETAIL

# FILTER FABRIC TYPE R CUSE SANDRAGS STRAW RALES SEDIMENT BARRIER OR OTHER APPROVED METHODS (STRAW BALE TYPE SHOWN) CHANNELIZE RUNOFF TO CHECK DAMS AS REQUIRED. SUPPLY WATER TO WASH WHEELS IF NECESSARY 3"-6" CLEAR OF WASHED STONE MIN. 12" THICK \_\_\_ DIVERSION RIDGE

PLAN VIEW

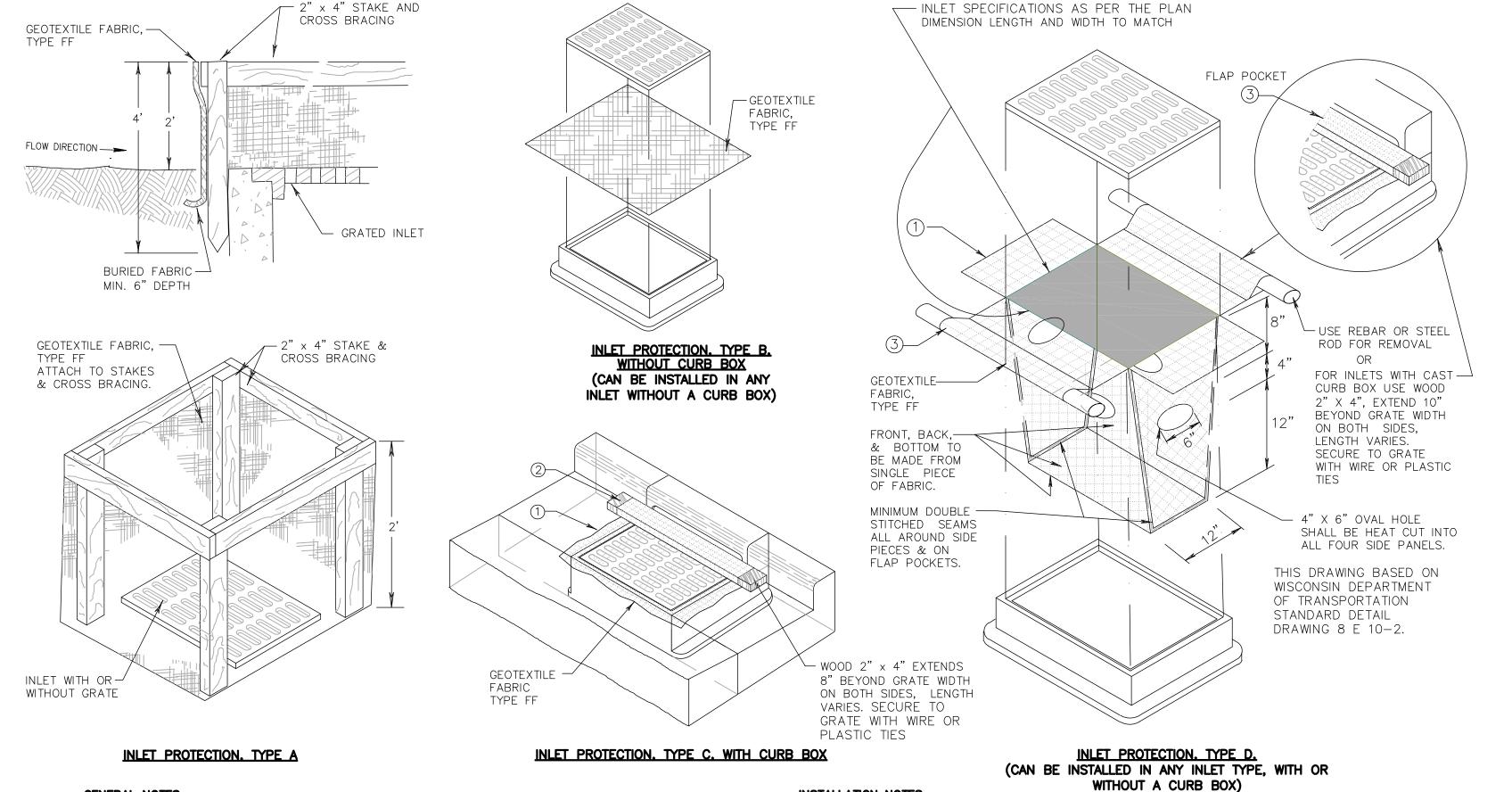
## **GENERAL NOTES:**

THE AGGREGATE SIZE FOR CONSTRUCTION OF THE PAD SHALL BE 3- TO 6-INCH STONE. PLACE THE GRAVEL TO THE SPECIFIC GRADE & DIMENSIONS SHOWN ON THE PLANS & GRADE TO CREATE A SMOOTH SURFACE. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12 INCHES. USE GEOTEXTILE FABRICS, IF NECESSARY TO IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER

JOINING TWO LENGTHS OF SILT FENCE

THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS & IN ANY CASE SHALL NOT BE LESS THAN 15 FEET WIDE. THE LENGTH OF THE PAD SHALL BE AS REQUIRED, BUT NOT LESS THAN 50 FEET LOCATE CONSTRUCTION ENTRANCES & EXITS TO LIMIT SEDIMENT LEAVING THE SITE & TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID ENTRANCES WHICH HAVE STEEP GRADES & ENTRANCES AT CURVES IN PUBLIC ROADS. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, & REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OULET WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED. DESIGNATE AN AREA WITH CRUSHED STONE THA DRAINS INTO AN APPROVED SEDIMENT TRAP OR

STONE TRACKING CONSTRUCTION ENTRANCE



**GENERAL NOTES** 

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. 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. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE

- 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.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

TYPE B & C TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE

TYPE D 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. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. 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.



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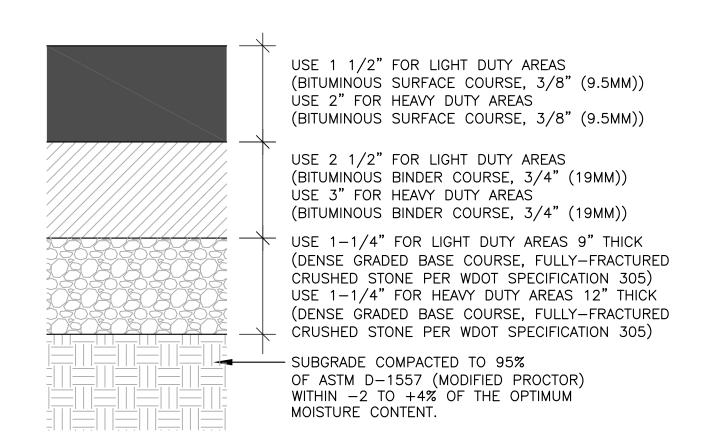
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SITE DETAILS

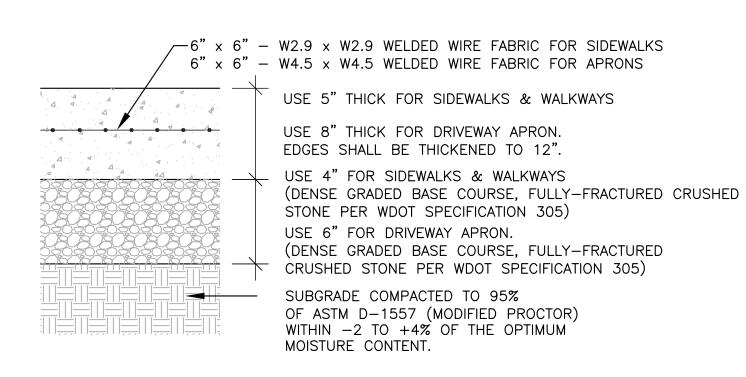
DATE

04-15-2016

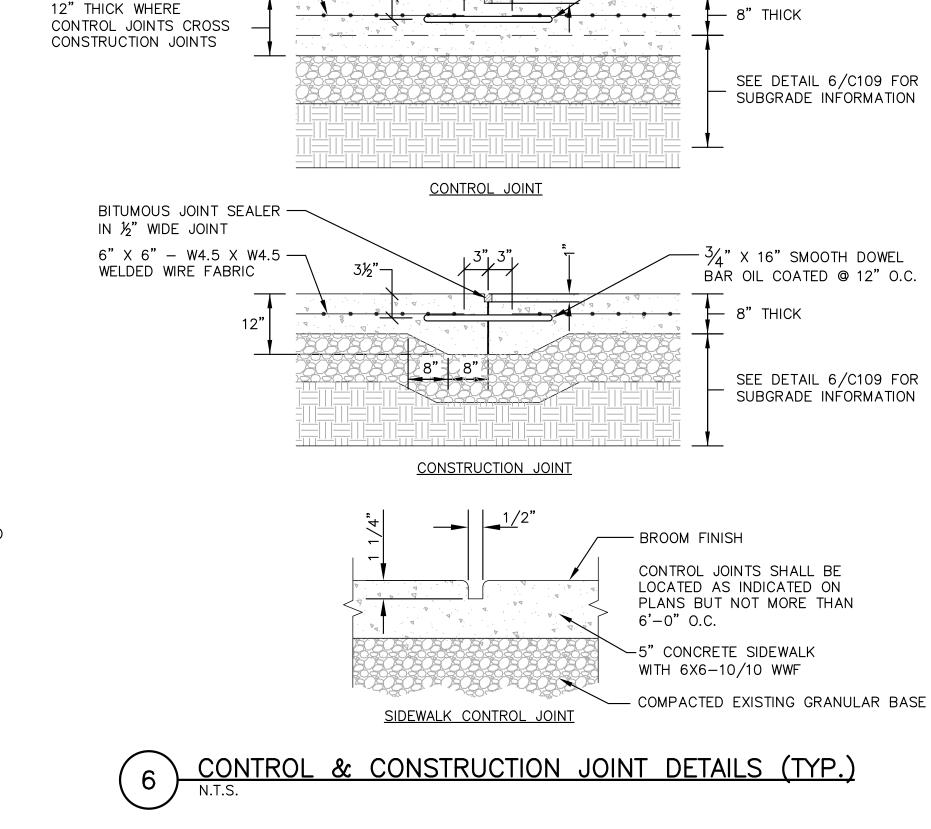
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# ASPHALTIC CONCRETE PAVEMENT



# (5) CONCRETE SIDEWALK/SLAB

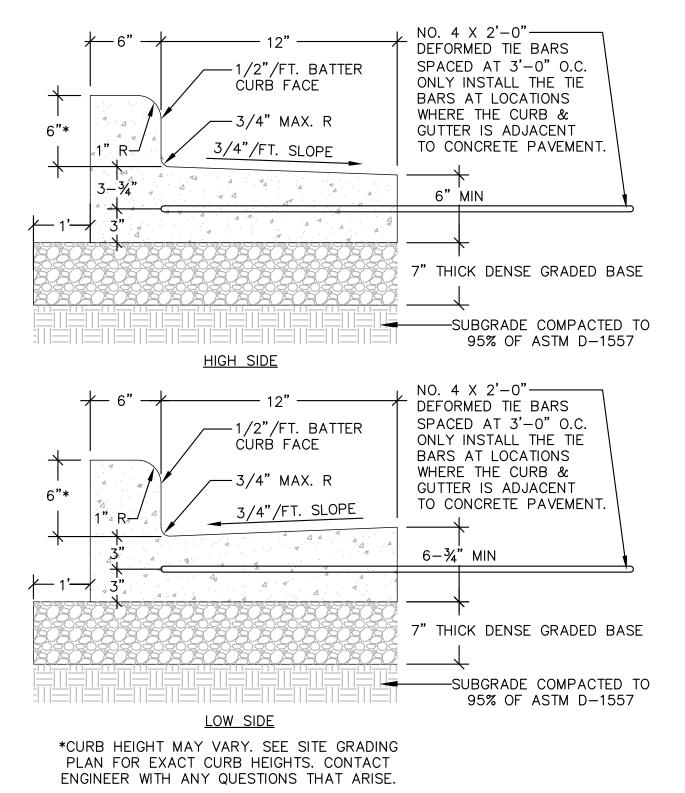


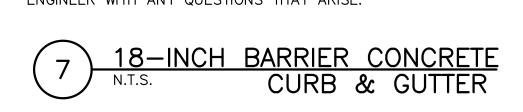
BITUMOUS JOINT SEALER-

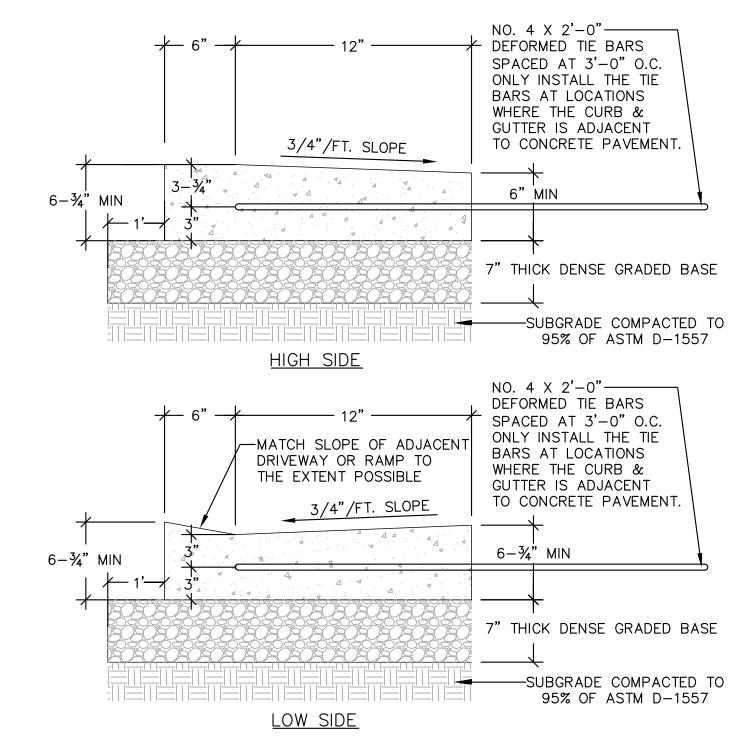
6" X 6" - W4.5 X W4.5 ----

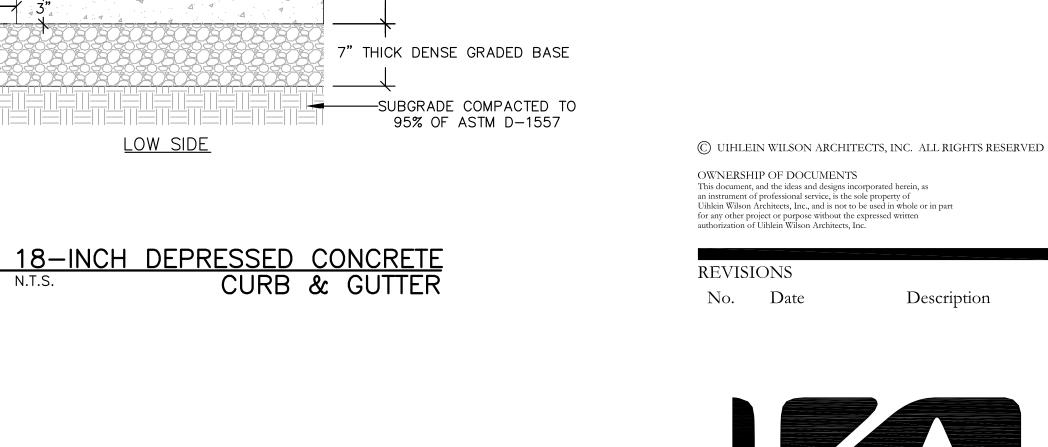
IN ½" WIDE JOINT

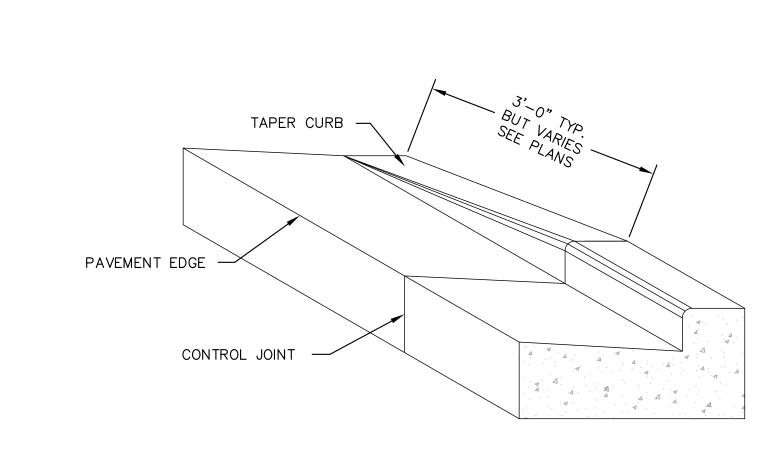
WELDED WIRE FABRIC





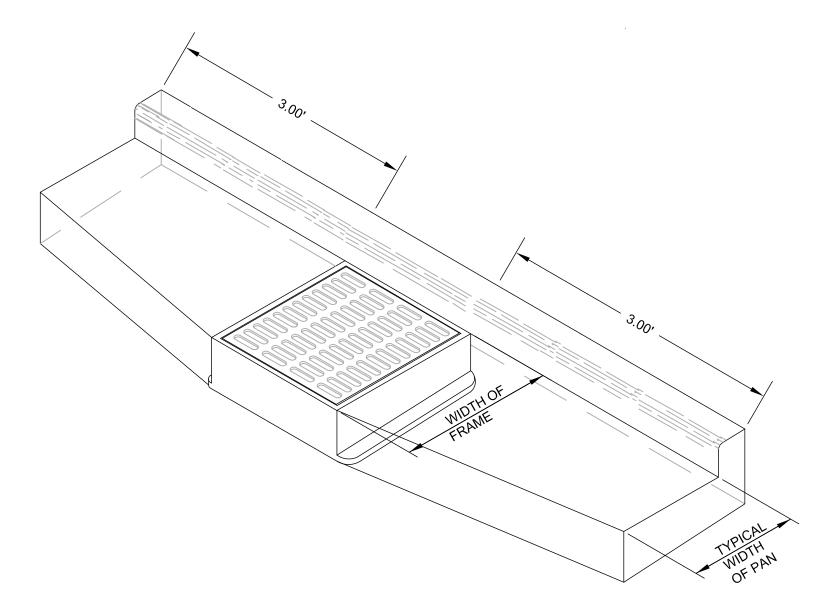






CONCRETE CURB & GUTTER TRANSITION

N.T.S. TO ZERO-FACE CURB

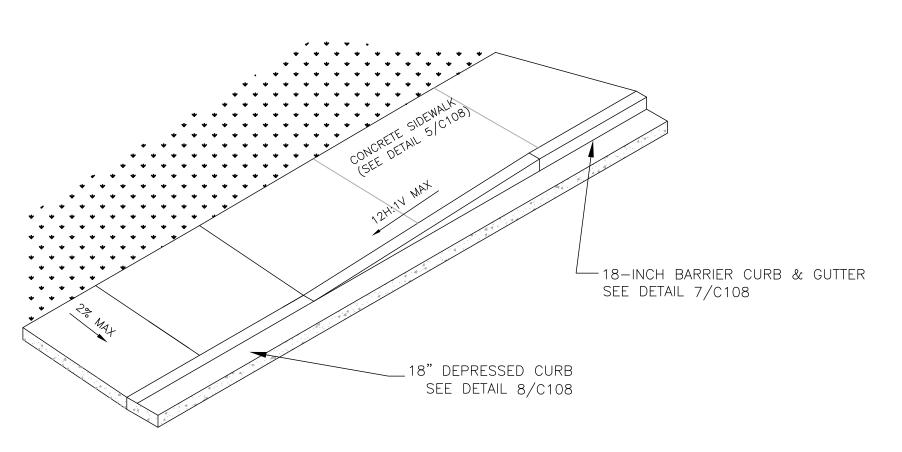


1/4" X 16" SMOOTH DOWEL

BAR OIL COATED @ 12" O.C.

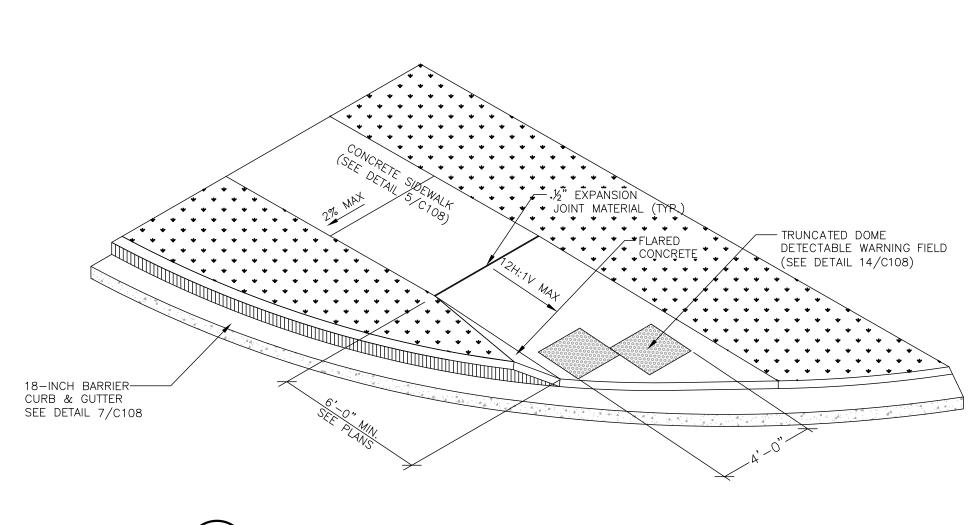
CONCRETE GUTTER PAN TRANSITION

N.T.S. AT STORM SEWER INLETS



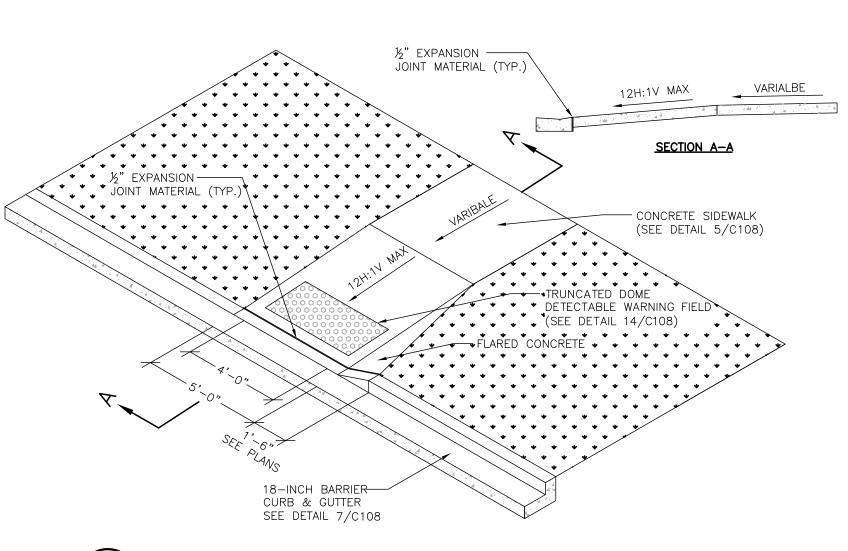
11) ACCESSIBILITY RAMP DETAIL

N.T.S.



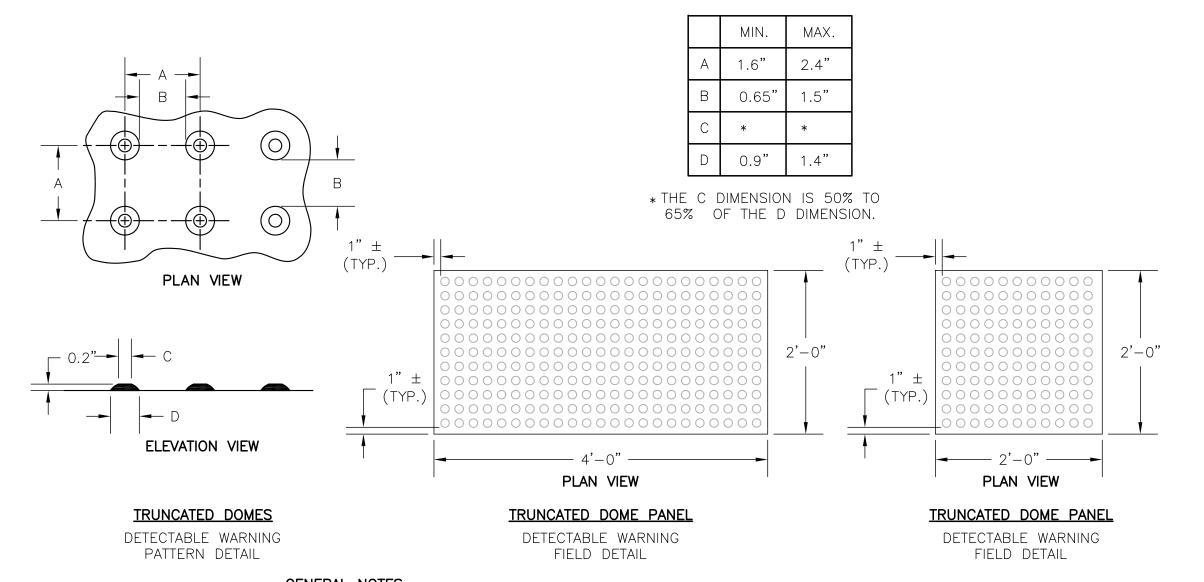
ACCESSIBILITY RAMP DETAIL WITH TRUNCATED

N.T.S. DOME DETECTABLE WARNING FIELD



ACCESSIBILITY RAMP DETAIL WITH TRUNCATED

N.T.S. DOME DECTECTABLE WARNING FIELD



**GENERAL NOTES** TRUNCATED DOME DETECTABLE WARNING FIELD SHALL CONSIST OF CAST IRON PLATES WITH NO COLOR, SUCH AS THOSE MANUFACTURED BY NEENAH FOUNDRY. PLATES SHOULD WEATHER TO A RUST COLOR OVER TIME. USE 24"x48" PLATES OR 24"x24" PLATES. THE DETECTABLE WARNING FIELD SHALL BE LOCATED SO THAT IT IS CENTERED IN THE CURB RAMP WITH THE EDGE NEAREST THE BACK OF CURB A MINIMUM OF 6" AND A MAXIMUM OF 8" AWAY FROM THE BACK OF CURB. IN LOCATIONS WHERE THE RAMP IS SKEWED TO THE CURB, THE DETECTABLE WARNING FIELD IS TO RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL, WITH THE EDGE NEAREST THE BACK OF CURB 4" AWAY FROM THE BACK OF CURB.

TRUNCATED DOME DETECTABLE WARNING FIELD



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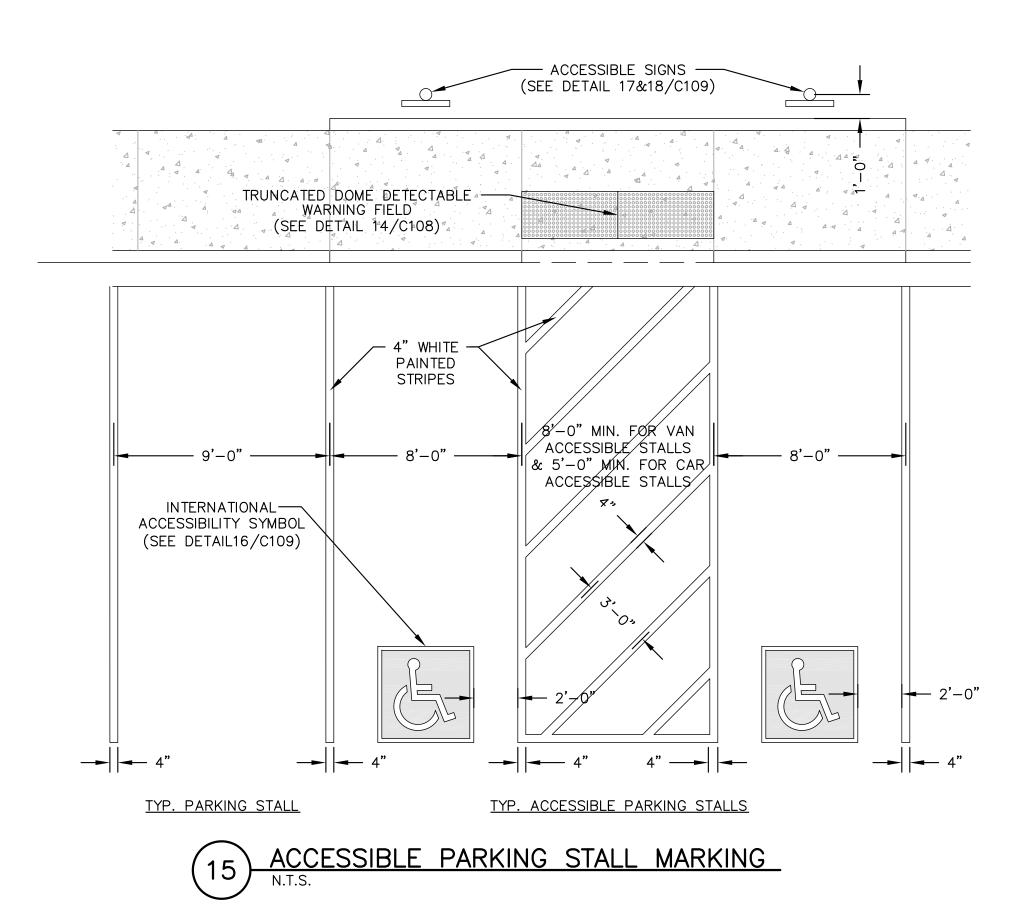
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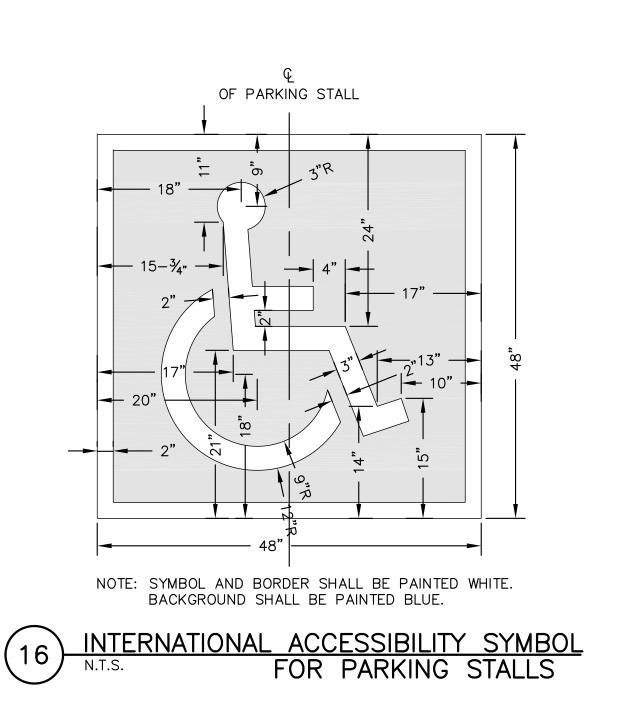
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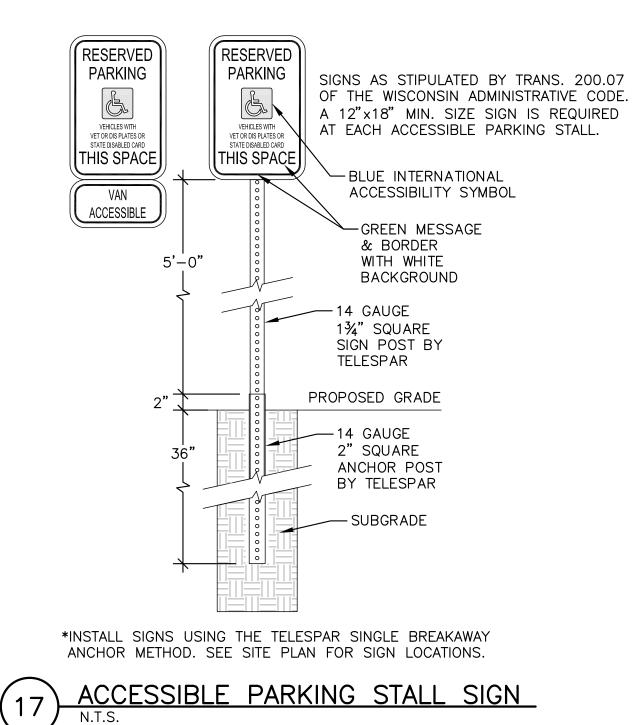
SITE DETAILS

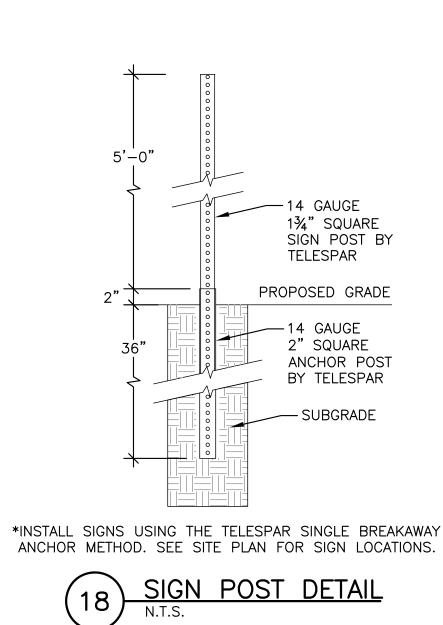
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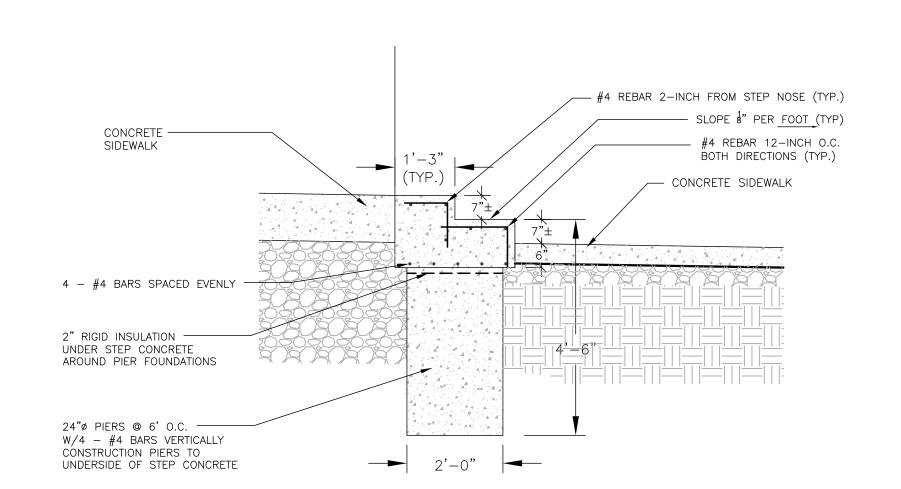
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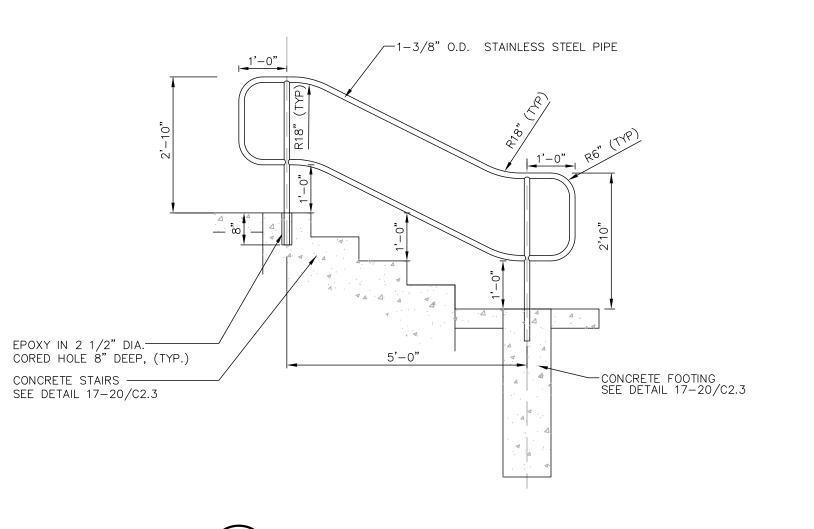
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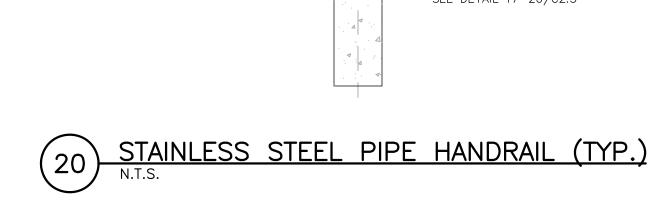
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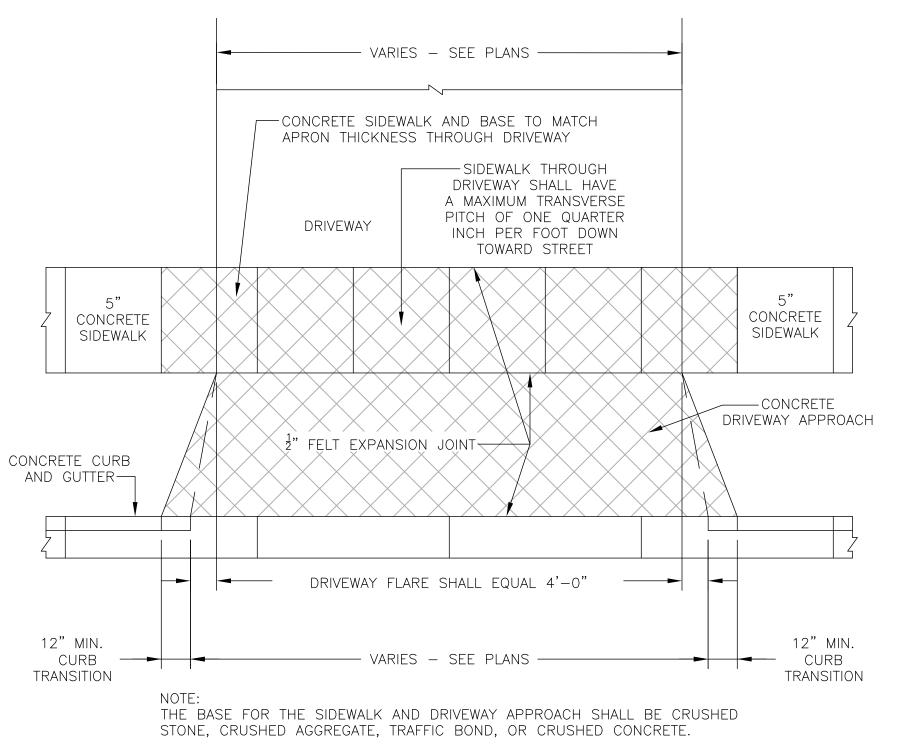
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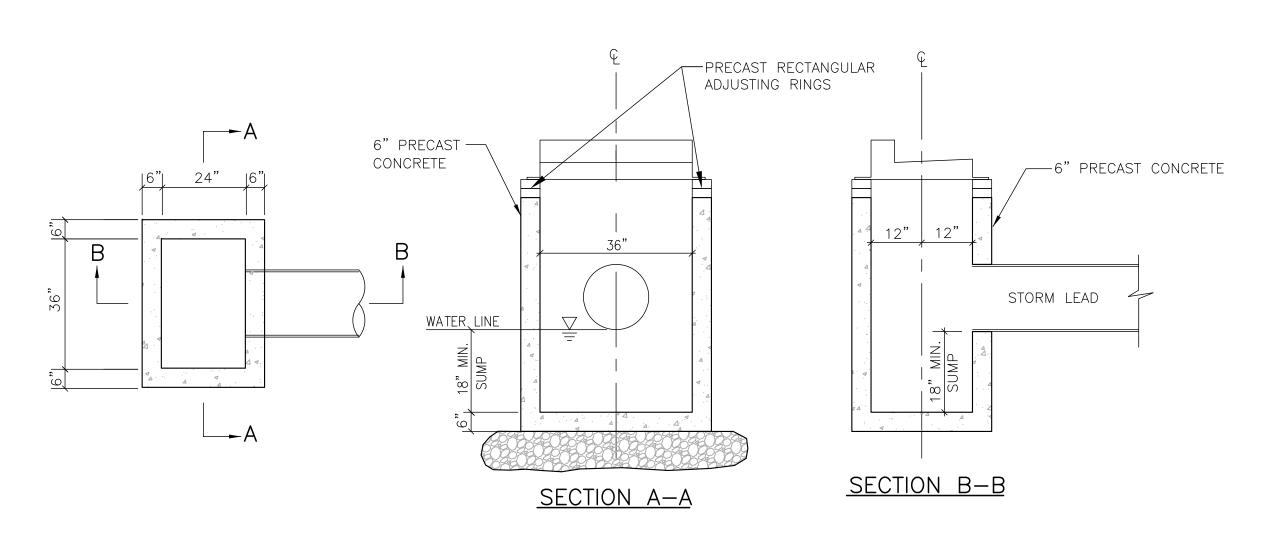




21 STANDARD CONCRETE DRIVEWAY APRON N.T.S.

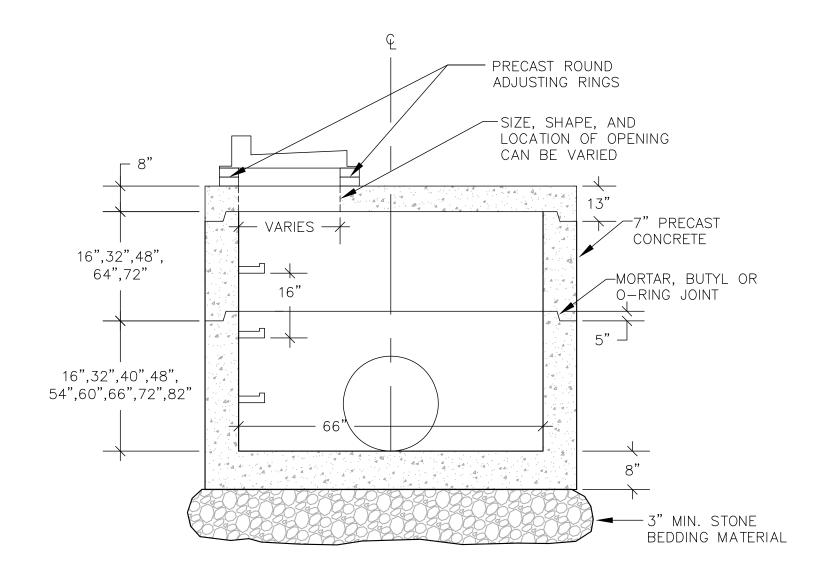
SHEET SITE DETAILS

> DATE 04-15-2016 PROJECT NO. 160080.01



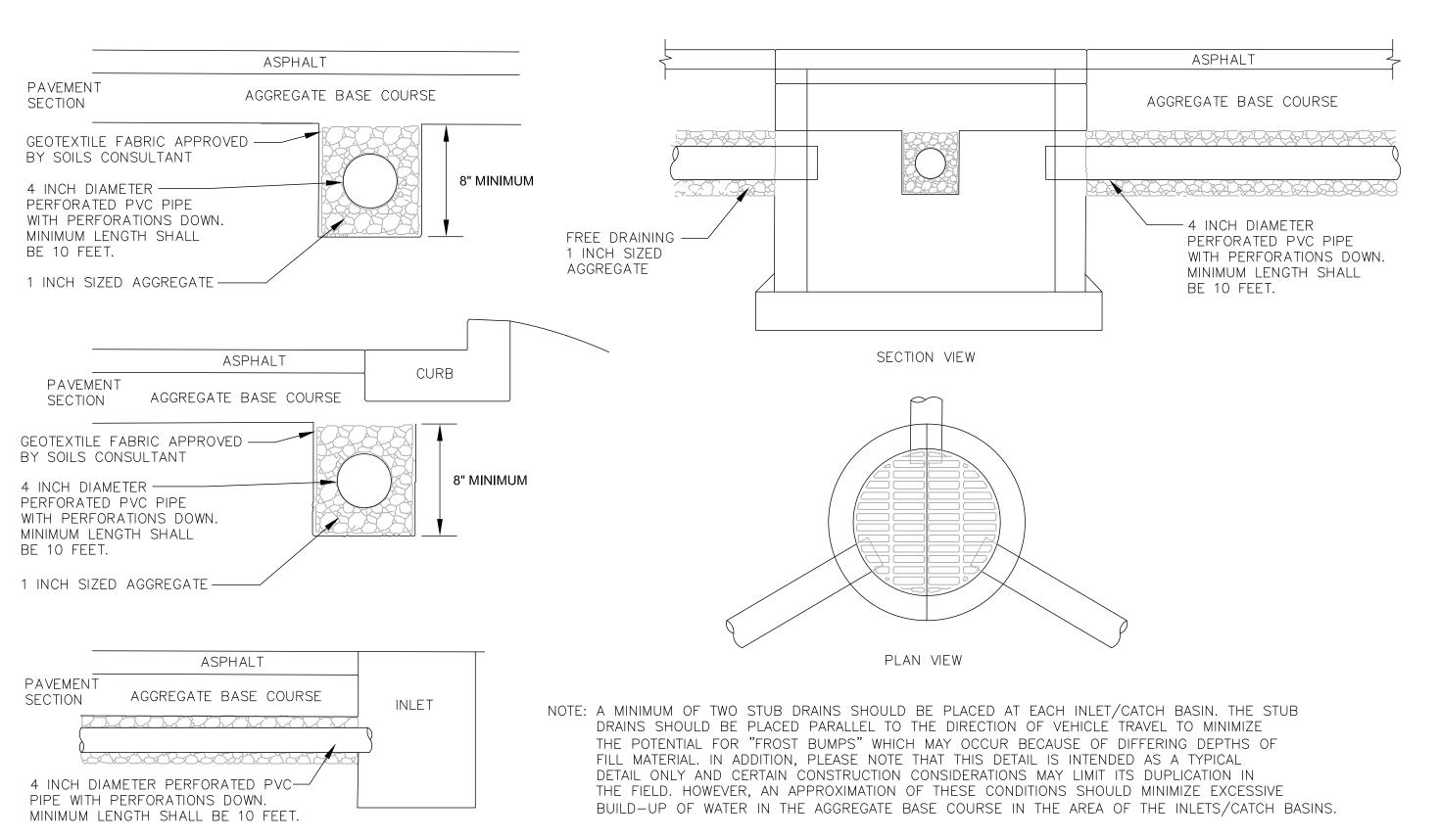
MANUFACTURED TO WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS REFER TO SITE UTILITY PLAN FOR INFORMATION REGARDING PIPE LOCATIONS, PIPE DIAMETERS, PIPE INVERTS, RIM ELEVATIONS, AND FRAMES & GRATES. INSTALL STUB DRAINS IN CATCH BASINS LOCATED IN PAVED AREAS. SEE DETAIL 24/C110.

# 24" X 36" STORM CATCH BASIN WITH N.T.S. GUTTER INLET/CURB BOX FRAME & GRATE

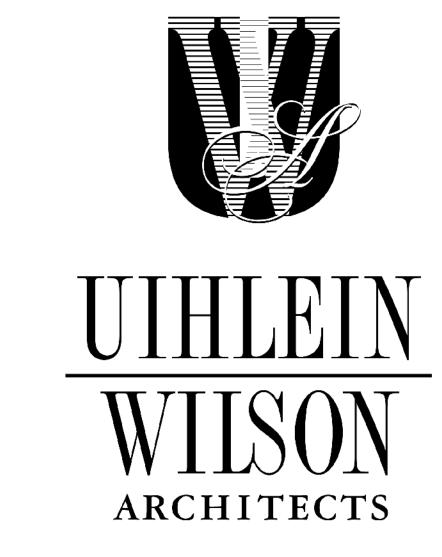


MANUFACTURED TO WISCONSIN DEPARTMENT OF TRANSPORTATION SPECIFICATIONS

REFER TO SITE UTILITY PLAN FOR INFORMATION REGARDING PIPE LOCATIONS, PIPE DIAMETERS, PIPE INVERTS, RIM ELEVATIONS, AND FRAMES & GRATES. INSTALL STUB DRAINS IN CATCH BASINS LOCATED IN PAVED AREAS. SEE DETAIL 24/C110.



(24) PAVEMENT DRAINTILE SUBDRAINAGE SYSTEM
N.T.S.



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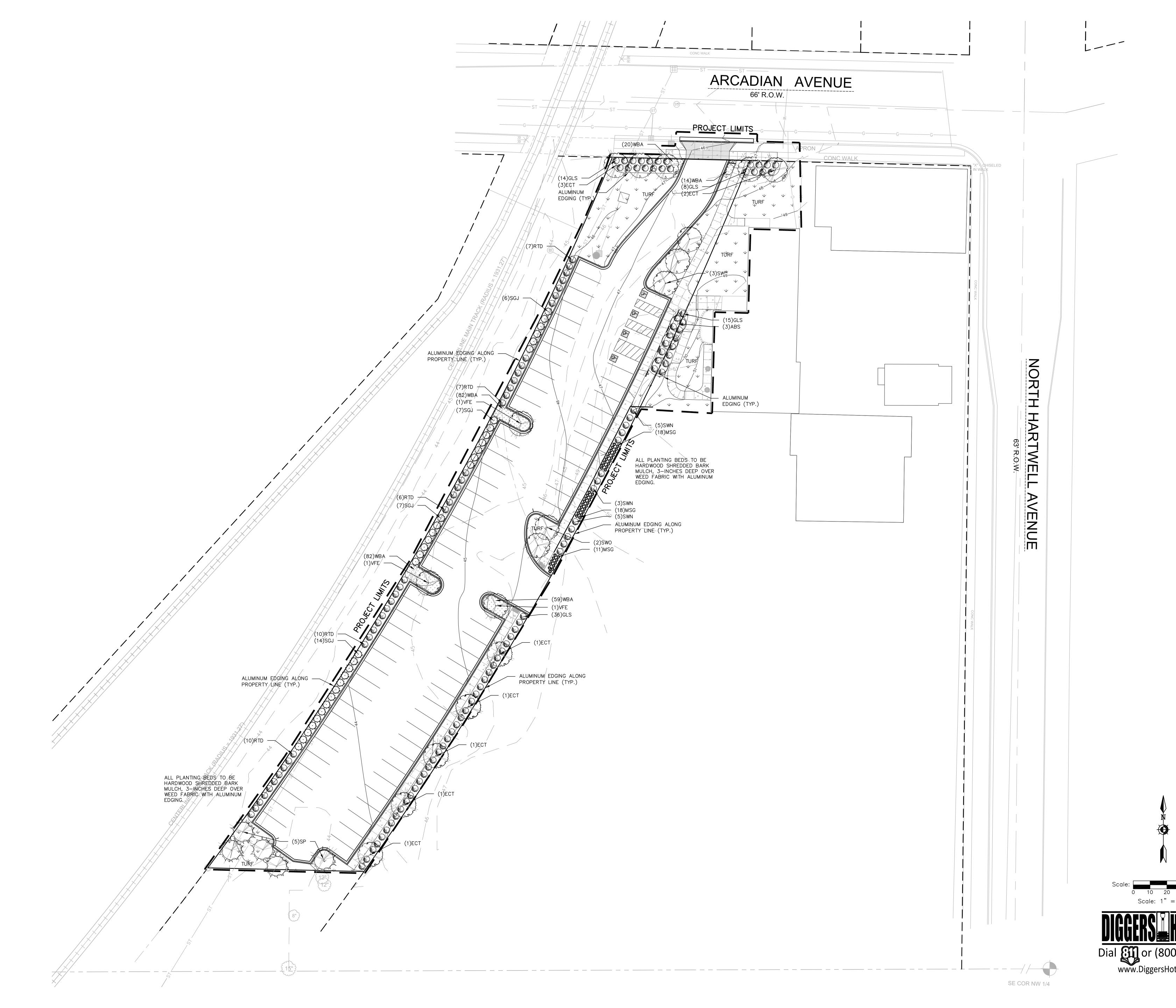
SHEET

SITE DETAILS

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SITE LANDSCAPE PLAN

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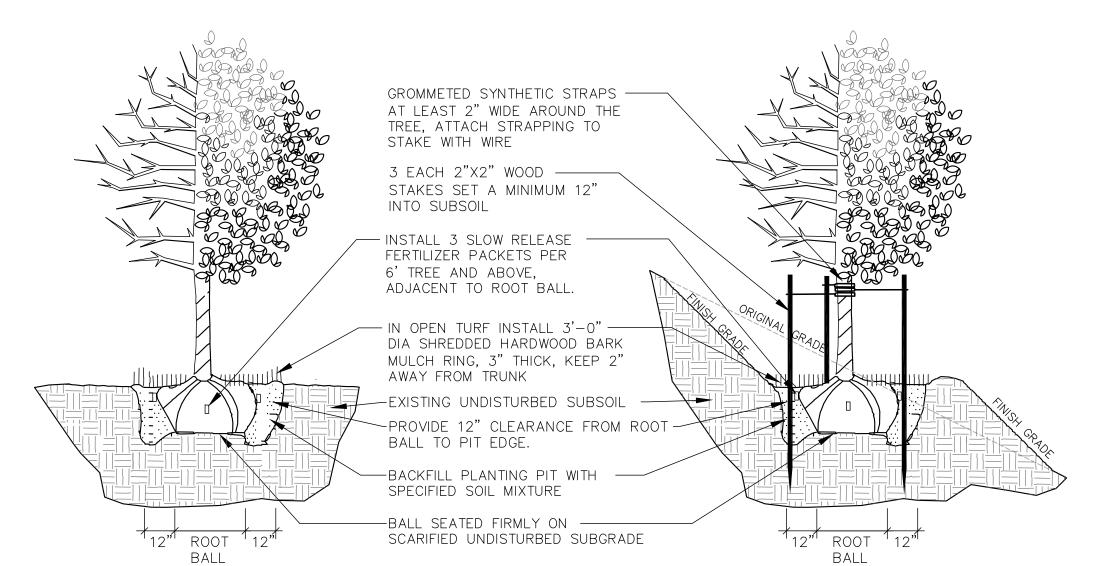
	Scientific Name	Common Name	Quantity	Spacing	Install Size	Size
						Maturity in ft. (Height/Spread)
Deciduous	s Trees					
ABS	Amelanchier x grandiflora 'Robin Hill'	Robin Hill Serviceberry: multi stem	3	Per Plan	6' tall B&B	40-50'/30'
ECT	Gymnocladius dioicus 'Espresso'	Espresso Coffeetree: MALE species only	10	Per Plan	2.5" caliper B&B	40-50'/30'
SWO	Quercus bicolor	Swamp Oak	5	Per Plan	2.5" caliper B&B	60'/60'
VFE	Ulmus americana 'Valley Forge'	Valley Forge Elm	3	Per Plan	2.5" caliper B&B	60-80'/60'
Evergreen	Tree					
SP	Pinus sylvestris	Scots Pine	5	Per Plan	7' tall B&B	30-60'/30-40'
Deciduous	s Shrubs					
GLS	Rhus aromatica 'Gro-low'	Gro-low Sumac	73	Per Plan	18-inch HT. #3 cont.	2-3'/6-8'
RTD	Cornus sericea	Redtwig Dogwood	40	Per Plan	18-inch HT. #3 cont.	5-6'/5-6'
SWN	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	13	Per Plan	18-inch HT. #3 cont.	5-6'/4-5'
Evergreen	) Shrubs					
SGJ	Juniperus chinensis 'Sea Green'	Sea Green Juniper	34	Per Plan	18-inch HT. #3 cont.	3'/6-8'
Perennials	6					
MSG	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	47	Per Plan	1 gal	
WBA	Amsonia tabernaemontana	Willow Bluestar Amsonia	257	Per Plan	1 gal	



- 1. ALL PLANT MATERIAL SHALL BE OBTAINED FROM A NURSERY LOCATED IN ZONE 5, CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AND BOTANICAL NAMES SHALL BE ACCORDING TO THE CURRENT EDITION OF "STANDARDIZED PLANT NAMES PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE.
- 2. CONTRACTOR TO PROVIDE TO THE LANDSCAPE ARCHITECT SAMPLES OF ALL BARK AND MINERAL/STONE MULCHES, DECORATIVE GRAVELS, MAINTENANCE STRIP STONE, OR OTHER GROUND COVER MATERIALS FOR APPROVAL PRIOR TO INSTALLATION.
- 3. BARK MULCH TO BE FRESHLY ACQUIRED HARDWOOD SHREDDED BARK MULCH. NOT DOUBLE MILLED, EXCESSIVE DIRT AND DUST LIKE MATERIAL OR OLD MATERIAL IS NOT ACCEPTABLE.
- 4. LANDSCAPE EDGING TO BE ALUMINUM EDGING. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- 5. ALL PLANTING AREAS TO RECEIVE A 3-INCH THICK LAYER OF HARDWOOD SHREDDED BARK MULCH OVER TYPAR WEED FABRIC WITH EDGING. EDGING TO BE INSTALLED BETWEEN DIFFERENT TYPES OF MULCHES, BETWEEN MULCHES AND TURF, AND/OR WHERE SPECIFICALLY NOTED ON THE PLAN. REFER TO SPECIFICATION 32 93 00 PLANTS FOR ADDITIONAL INFORMATION.
- 6. INSTALL SHOVEL CUT EDGE AROUND ALL INDIVIDUAL TREES AND SHRUBS IN LAWN AREAS AND ALONG PAVEMENT WHERE PLANTING AREAS ABUT TO PREVENT HARDWOOD SHREDDED BARK MULCH FROM SPILLING OUT OF PLANTING AREA.
- 7. CONTRACTOR RESPONSIBLE FOR MAINTENANCE OF PLANT MATERIAL FOR 90 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SEEDED AREAS FOR 60 DAYS FROM INSTALLATION, INCLUDING WATERING, WEEDING, ETC. CONTRACTOR TO PROVIDE AND REVIEW MAINTENANCE INSTRUCTIONS WITH THE
- OWNER PRIOR TO THE COMPLETION OF THESE MAINTENANCE PERIODS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

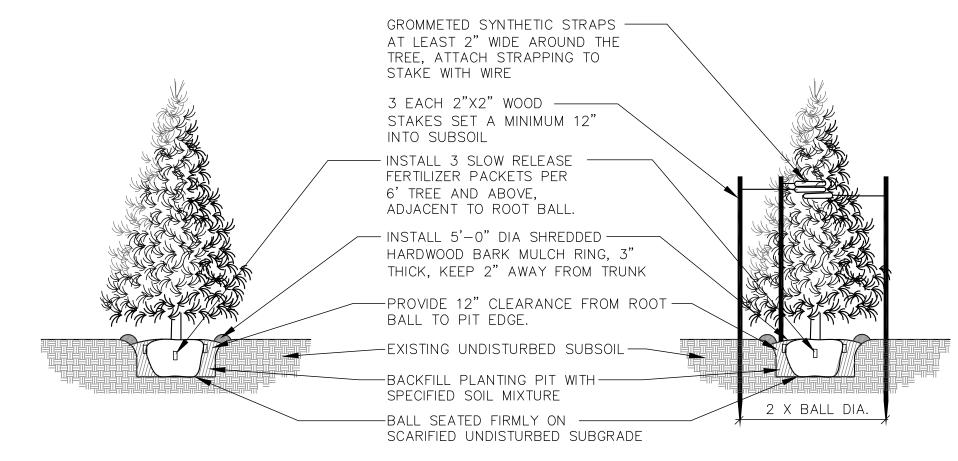
  8. CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS
- 8. CLEANLY PRUNE AND REMOVE DAMAGED BRANCHES, DEAD WOOD, AND ROOTS IMMEDIATELY PRIOR TO PLANTING. DO NOT CUT LEADERS OR LEAVE "V" CROTCHES OR DOUBLE LEADERS UNLESS A MULTI-STEM TREE IS SPECIFIED.
- 9. REMOVE BURLAP, WIRE BASKET, ROPE, TWINE, AND ALL SYNTHETIC MATERIAL FROM THE ROOTS, TRUNK, OR CROWN OF PLANT.
- 10. REMOVE EXCESS SOIL ABOVE ROOT COLLAR.
- 11. PLANT TREES AND SHRUBS SO THAT THE ROOT COLLAR IS 2" ABOVE FINISHED GRADE OR SEVERAL INCHES ABOVE GRADE IF PLANT IS INSTALLED IN POOR SOILS.
- 12. PLANT TREES AND SHRUBS WITH SAME ORIENTATION AS WHEN HARVESTED FROM THE NURSERY OR TO SHOWCASE THE MOST AESTHETIC VIEW.
- 13. PLANT ALL TREES WITH THREE SLOW RELEASE FERTILIZER PACKETS, SPACED EQUIDISTANT AROUND THE EDGE OF THE ROOT BALL.
- 14. PLANT ALL SHRUBS WITH ONE SLOW RELEASE FERTILIZER PACKET, PLACED BELOW THE ROOTING SYSTEM.
- 15. WATER AND TAMP BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SO THE SOIL AND ROOTS ARE THOROUGHLY SOAKED AND AIR POCKETS ARE REMOVED.
- 16. FOR INDIVIDUAL TREES & SHRUBS PLANTED IN TURF AREAS, PROVIDE CONTINUOUS 3" SOIL SAUCER TO CONTAIN WATER & MULCH (TREES ON SLOPES SHALL BE SAUCERED ON THE DOWNHILL SIDE)
- 17. INSTALL 3" THICK SHREDDED HARDWOOD BARK MULCH RING 3'-0" DIA. FOR DECIDUOUS TREES AND ALL INDIVIDUAL SHRUBS IN LAWN AREAS, 5'-0" DIA. FOR EVERGREEN TREES. KEEP MULCH 2" AWAY FROM TRUNKS.
- 18. STAKING ONLY STAKE EVERGREEN TREES 5'—0" OR GREATER IN HEIGHT OR TREES THAT ARE UNABLE TO REMAIN UPRIGHT AFTER PLANTING. TREES WILL BECOME STRONGER FASTER WHEN THE TOP 2/3 OF THE TREE IS FREE TO SWAY. DO NOT ATTACH WIRE DIRECTLY TO TREES OR THROUGH HOSES UTILIZE GROMMETED, SYNTHETIC STRAPS AT LEAST 2" WIDE AROUND THE TREE, ATTACH STRAPPING TO STAKE WITH WIRE. STAKE ONLY WHEN NECESSARY. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLODGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.
- 19. REFER TO SPECIFICATIONS 32 93 00 PLANTS AND 32 92 00 TURF AND GRASSES FOR ADDITIONAL INFORMATION.



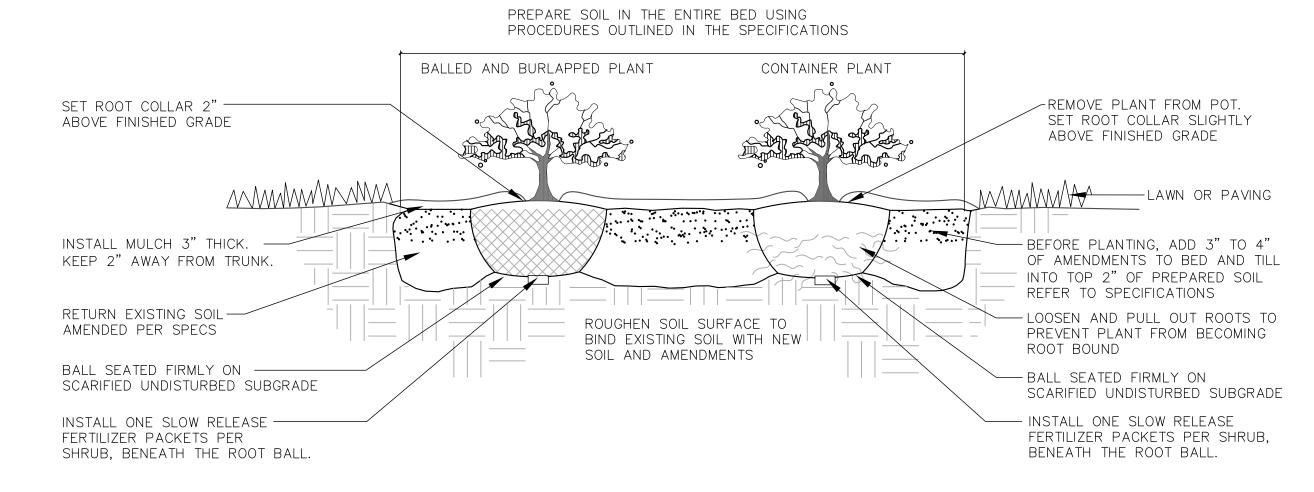


DECIDUOUS TREE PLANTING, STAKING, & PLANTING ON A SLOPE

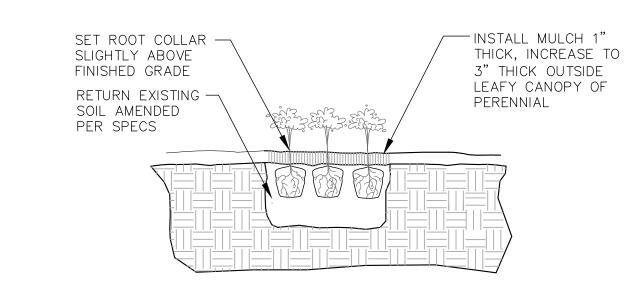
N.T.S.



4 EVERGREEN TREE PLANTING & STAKING
N.T.S.



5 DECIDUOUS & EVERGREEN SHRUB PLANTING
N.T.S.



6 PERENNIAL PLANTING

N.T.S.



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Description

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410 ARCADIAN AVE
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SHEET

SITE LANDSCAPE DETAILS

DATE

04-15-2016

PROJECT NO. 160080.01

SHEET NO.

L102

1" = 20'-0"

CONDUIT AND ANCHOR

**BOLT PROJECTIONS AS** 

PER MANUFACTURE

RECOMMENDATIONS #10 GROUNDING

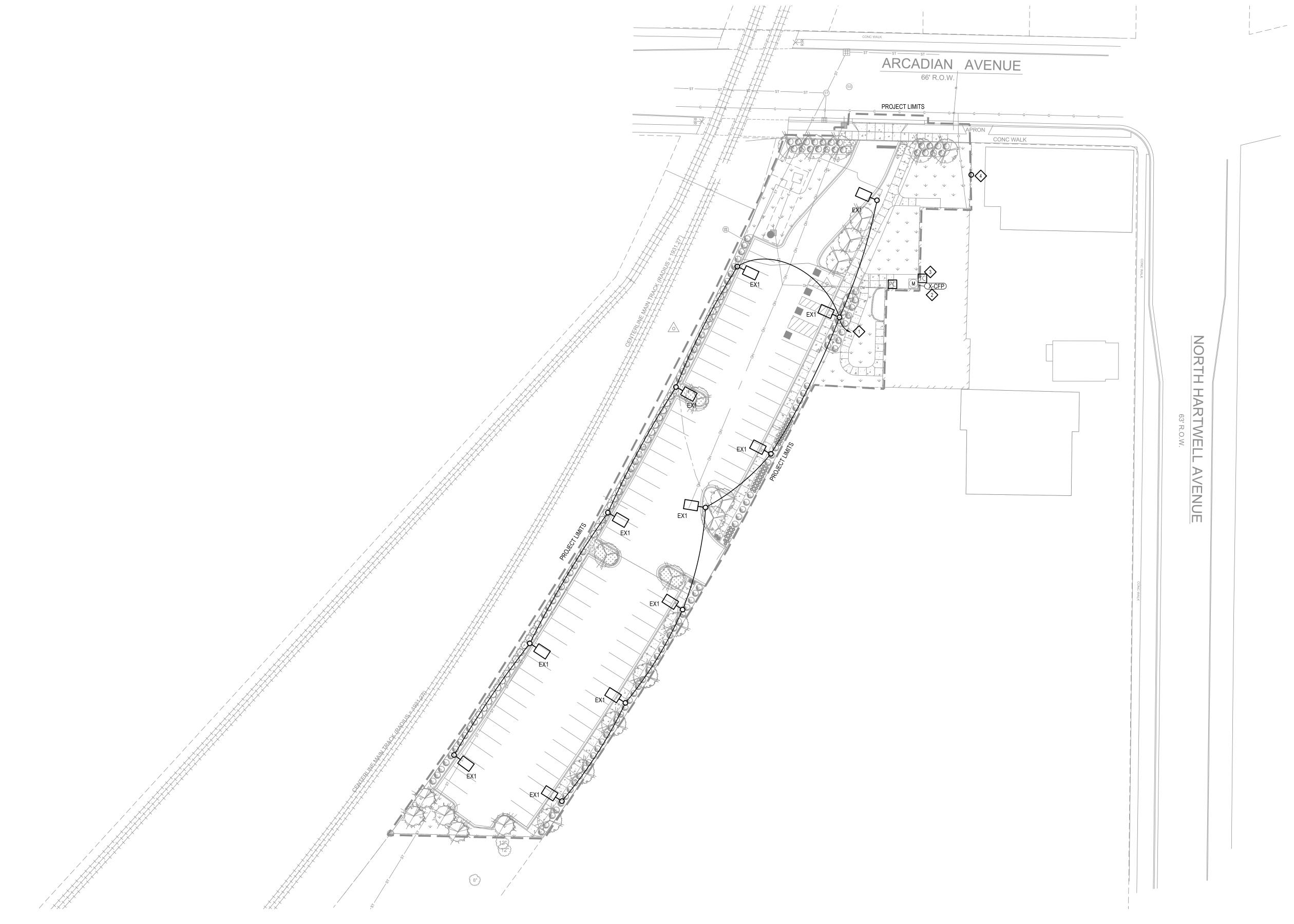
CONDUCTOR FROM \_ GROUND ROD TO POLE

GRADE FOR FIXTURES IN

PARKING AREA

HEAVY-WALL (SCHEDULE-40) PVC

CONDUIT IN SIZE AS INDICATED ON PLAN



LIGHTING SCHEDULE

FIXT. DESCRIPTION  LAMPING TYPE INPUT  SINGLE HEAD POLE MOUNTED FIXTURE, TYPE III DISTRIBUTION WITH BACKLIGHT CONTROL, WITH SQUARE STEEL POLE AND CONCRETE BASE  LAMPING TYPE INPUT  ARE-EDG-3MB-DA-04-E-UL-350-40K POLE  ARE-EDG-3MB-DA-04-E-UL-350-40K POLE	LIGITING OCHEDULE								
TYPE INPUT  SINGLE HEAD POLE MOUNTED FIXTURE, TYPE III DISTRIBUTION WITH BACKLIGHT CONTROL, WITH SQUARE STEEL  2 999 LUMENS 4000K LED  46 VA LUNV CREE  ARE-EDG-3MB-DA-04-E-LUL-350-40K POLE		DESCRIPTION	LAMPING		VOLT	MANUEACTURER	CATALOG NUMBER	MOUNTING	SEE NOTE
1 FX 1 1		DESCRIPTION	TYPE	INPUT	VOLI	WANDIACIONEN	CATALOG NOMBLIX	WOONTING	SLL NOTE
	EX1		2,999 LUMENS, 4000K LED	46 VA	UNV	CREE	ARE-EDG-3MB-DA-04-E-UL-350-40K	POLE	1

### LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

#10 GROUND CONDUCTOR.

— WIRE TO CLAMP ON GROUND ROD.

- AS PER MANUFACTURERS

— BOLTS. MAINTAIN 1 1/2" MIN. CONCRETE FROM ROD TO EDGE OF BASE.

GRADE FOR FIXTURES IN

-ROUND CONCRETE BASE

READY MIXED MINIMUM — 3000#/SQ.IN. ENTRAINED

51/812'-0" CU GROUND ROD

WITH CAST BRONZE CAP

CONCRETE

RECOMMENDATIONS

ANCHOR BOLTS, SIZE AND SPACING

INSTALL 4 5/8" REINFORCING RODS. SPACE 45° FROM ANCHOR

NOTE A. CATALOG NUMBERS ARE TO PROVIDE GUIDANCE ONLY AND MAY NOT BE COMPLETE.

NOTE B. FIXTURES SPECIFIED TO MEET DESIGN INTENT. EQUALS MAY BE SUBSTITUTED SUBJECT TO DESIGN TEAM'S APPROVAL.

NOTE C. PROVIDE ALL PARTS AND PIECES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

NOTE D: ARCHITECT TO DETERMINE ALL FINISHES.

NOTE 1. PROVIDE SQUARE STEEL POLE WITH SIZE AND LENGTH NECESSARY TO ACCOMMODATE EPA OF FIXTURE MOUNTED 20'-0" AFG.

## LIGHTING CONTROL BASIS OF DESIGN

	SONTROL DAGIO OF DEGICIN	
AREA	LIGHTING CONTROL INTENT - ASHRAE 90.1-2007	SEE NOTE
EXTERIOR FIGHTING	1. LIGHTS SHALL TURN ON IN RESPONSE TO DAYLIGHT LEVELS VIA EXTERIOR BUILDING MOUNTED PHOTOCELL WITH ADJUSTABLE TURN-ON AND TURN-OFF LEVELS. 2. LIGHTS SHALL TURN OFF VIA PROGRAMMABLE TIMECLOCK.	

### LIGHTING CONTROL BASIS OF DESIGN GENERAL NOTES:

NOTE A. CONTROLS SPECIFIED TO MEET DESIGN INTENT. EQUALS MAY BE SUBSTITUTED SUBJECT TO DESIGN TEAM'S APPROVAL.

NOTE B. PROVIDE ALL PARTS AND PIECES NECESSARY FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

NOTE C. VERIFY ALL PROGRAMMING WITH OWNER.

# **KEY NOTES**

MODIFY SPARE CIRCUIT 5 IN EXISTING 208/120V, 200A PANEL AS REQUIRED TO ACCOMMODATE NEW 120V SITE LIGHTING CIRCUIT.

2) EXISTING 42 CIRCUIT ELECTRICAL PANEL "CFP" HAS A MAIN 200AMP CIRCUIT BREAKER AT 120/208V 3PH, 4W.

TIME CLOCK JUST BELOW CEILING.

PROVIDE A NEW UTILITY POLE WITH POLE MOUNTED TRANSFORMER TO RE-FEED EXISTING SERVICE WEATHER HEAD. ADDITIONAL POLES SHALL BE ADDED AS NECESSARY TO ACCOMMODATE.



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Description

REVISIONS

REVISIONS
No. Date



LA CASA
CHARTER
SCHOOL

410 ARCADIAN AVE

WAUKESHA, WI 53186

SHEET
ELECTRICAL SITE
PLAN

DATE

02/26/2016

PROJECT NO. 14-116

SHEET NO.

E002