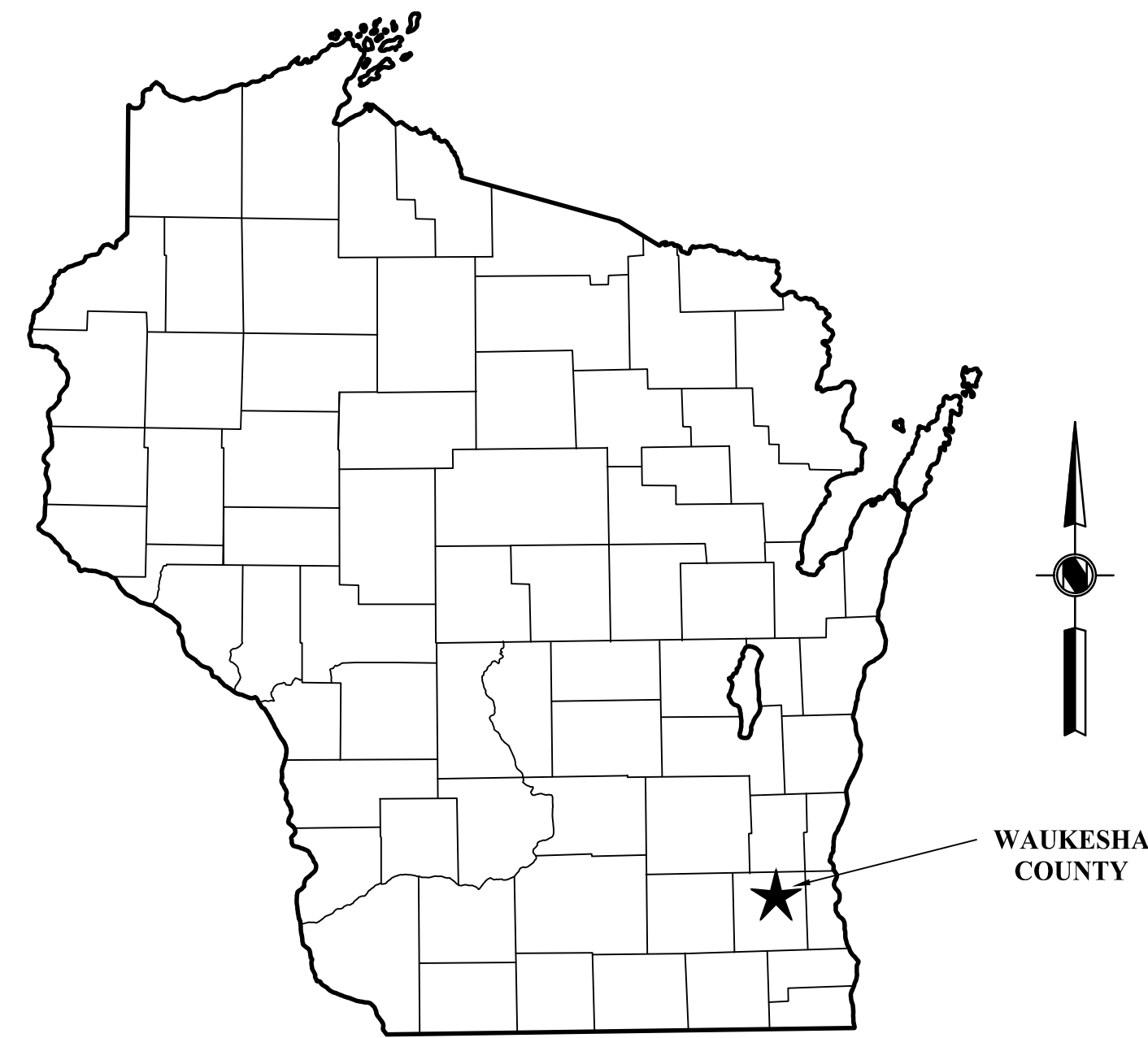


# SUNSET CROSSING OUTLOT

for

## LOCKARD CONSTRUCTION

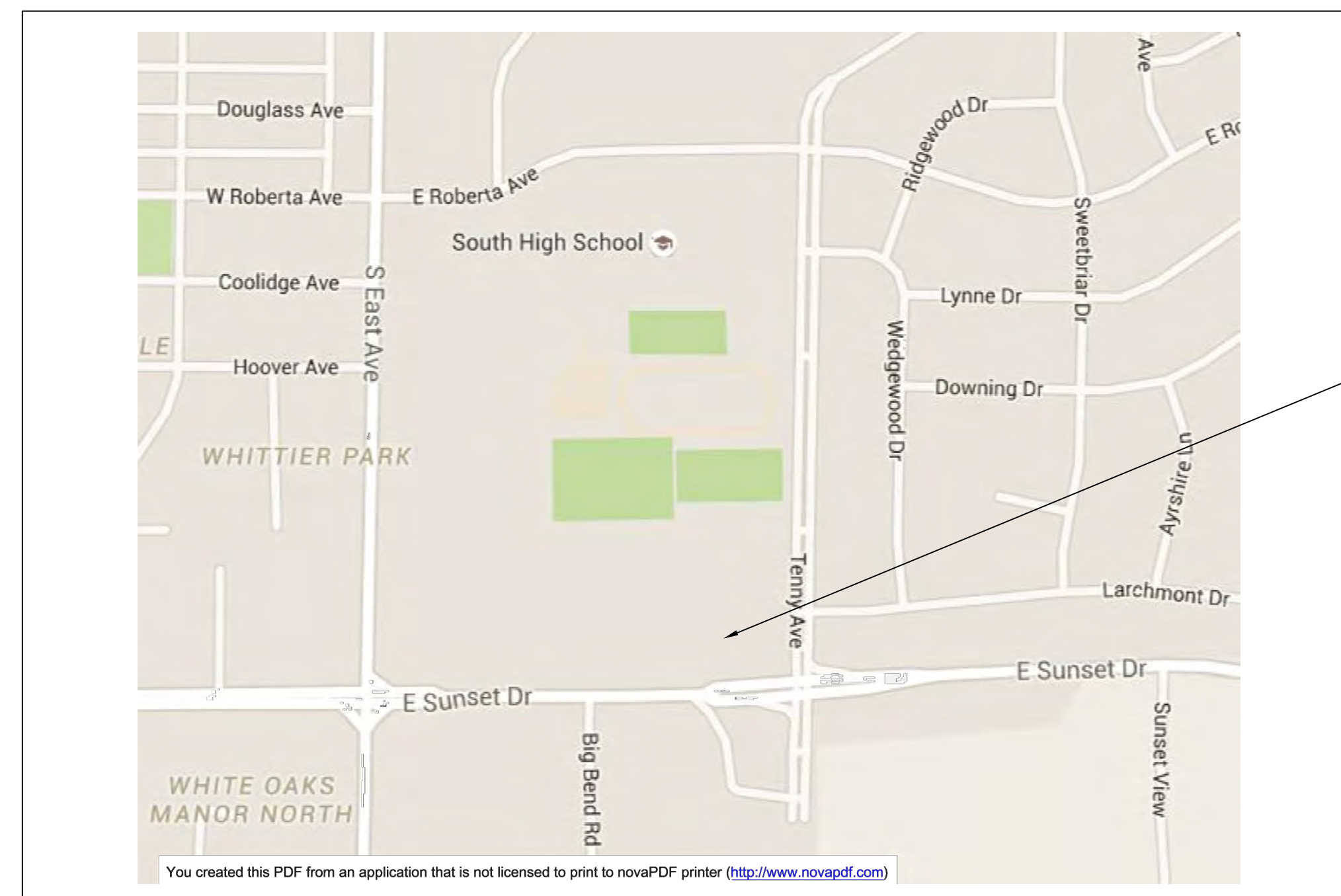
### Waukesha, Wisconsin



**SITE LOCATION**

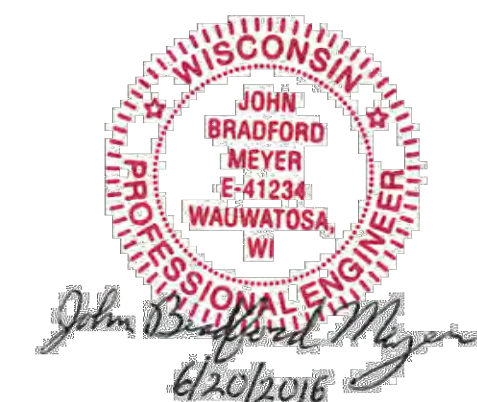
**SHEET INDEX**

SHEET NO.	TITLE
C-1	SITE PLAN
C-2	GRADING AND EROSION CONTROL PLAN
C-3	PAVING AND UTILITY PLAN
C-4	STANDARD DETAILS
TM-1	TURNING MANEUVER SEMI TRAILER
TM-2	TURNING MANEUVER FIRE TRUCK
ADDITIONAL SHEETS SUBMITTED FOR FINAL SITE PLAN REVIEW - NOT PREPARED BY KEY ENGINEERING	
LSP1-1	LANDSCAPE PLAN
LSP1-2	LANDSCAPE DETAILS
PHO1-1	PHOTOMETRIC PLAN
A1.0	FLOOR PLAN
A2.0	EXTERIOR ELEVATIONS
DE-2	COLOR ELEVATIONS (11x17)

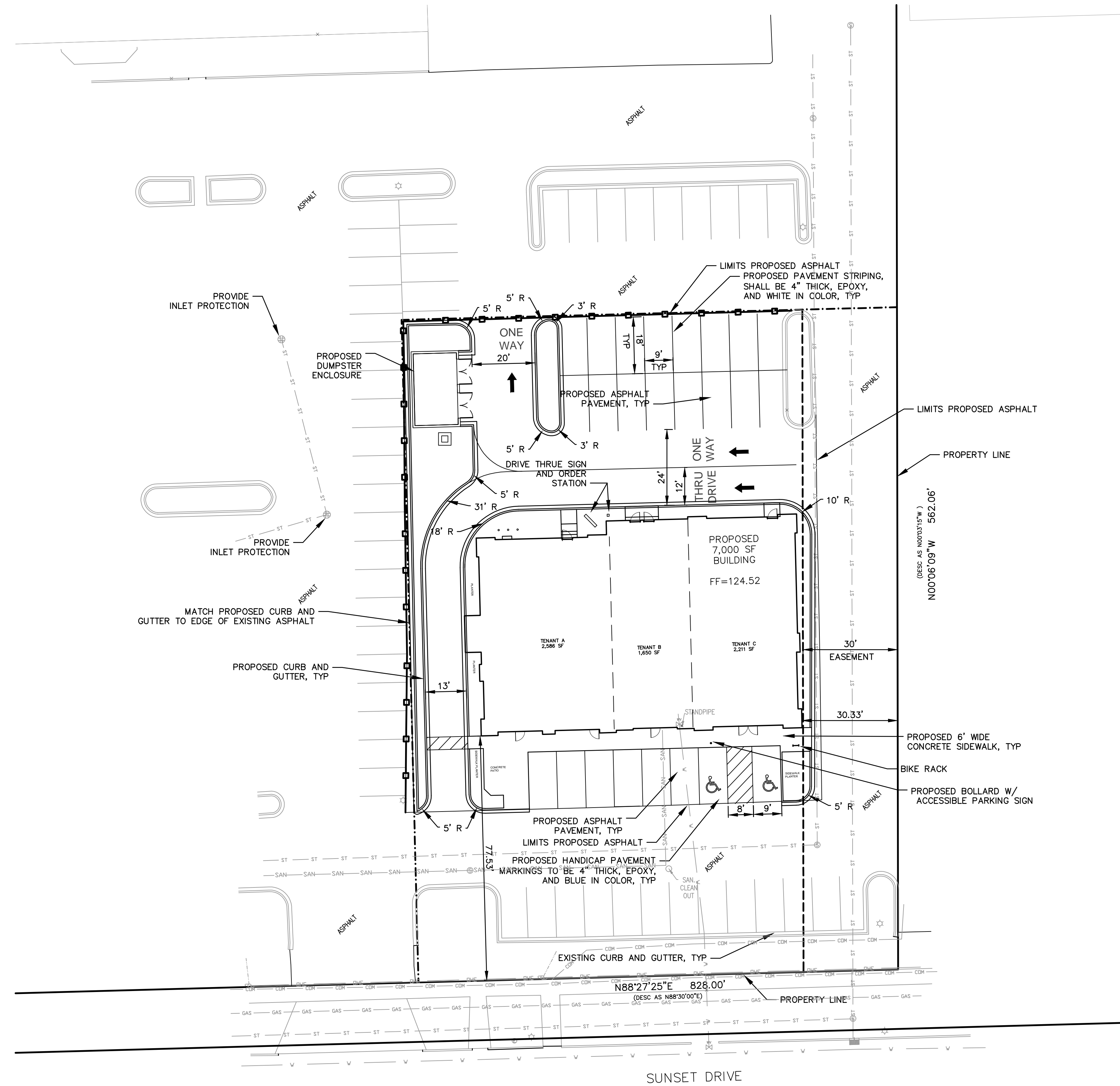


**VICINITY MAP**  
NOT TO SCALE

SITE LOCATION



- NOTES:
- 1.) ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. DEVICES SHALL BE INSTALLED AND MAINTAINED PER WISCONSIN DEPARTMENT OF NATURAL RESOURCES BEST MANAGEMENT PRACTICES (BMPs), TECHNICAL STANDARDS.
  - 2.) ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
  - 3.) CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH APPROPRIATE PUBLIC UTILITY COMPANIES.



**LEGEND**

- (ST) STORM SEWER MANHOLE
- (S) STORM SEWER INLET
- (S) SANITARY SEWER MANHOLE
- (L) LIGHT POLE
- (H) HYDRANT
- (WV) WATER VALVE
- (P) POWER POLE

TO OBTAIN LOCATIONS OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

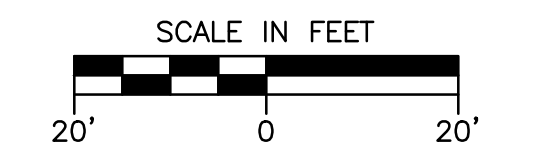
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TOLL FREE

WIS. STATUTE 182.0175(1974)  
REQUIRES MIN. 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE  
MILW. AREA 259-1181

WISCONSIN PROFESSIONAL ENGINEER  
 JOHN BRADFORD MEYER  
 E-41234  
 WAUKESHA, WI  
 6/20/2016



REVISION NO.	DESCRIPTION	DATE	BY

DESIGNED BY JBM	DATE 06/15/16
DRAWN BY JBM	DATE 06/15/16
APPROVED BY JBM	DATE 06/15/16
CADFILE JREF LMAN	

**SITE PLAN**  
**SUNSET CROSSING OUTLOT**  
 LOCKARD CONSTRUCTION  
 WAUKESHA, WISCONSIN

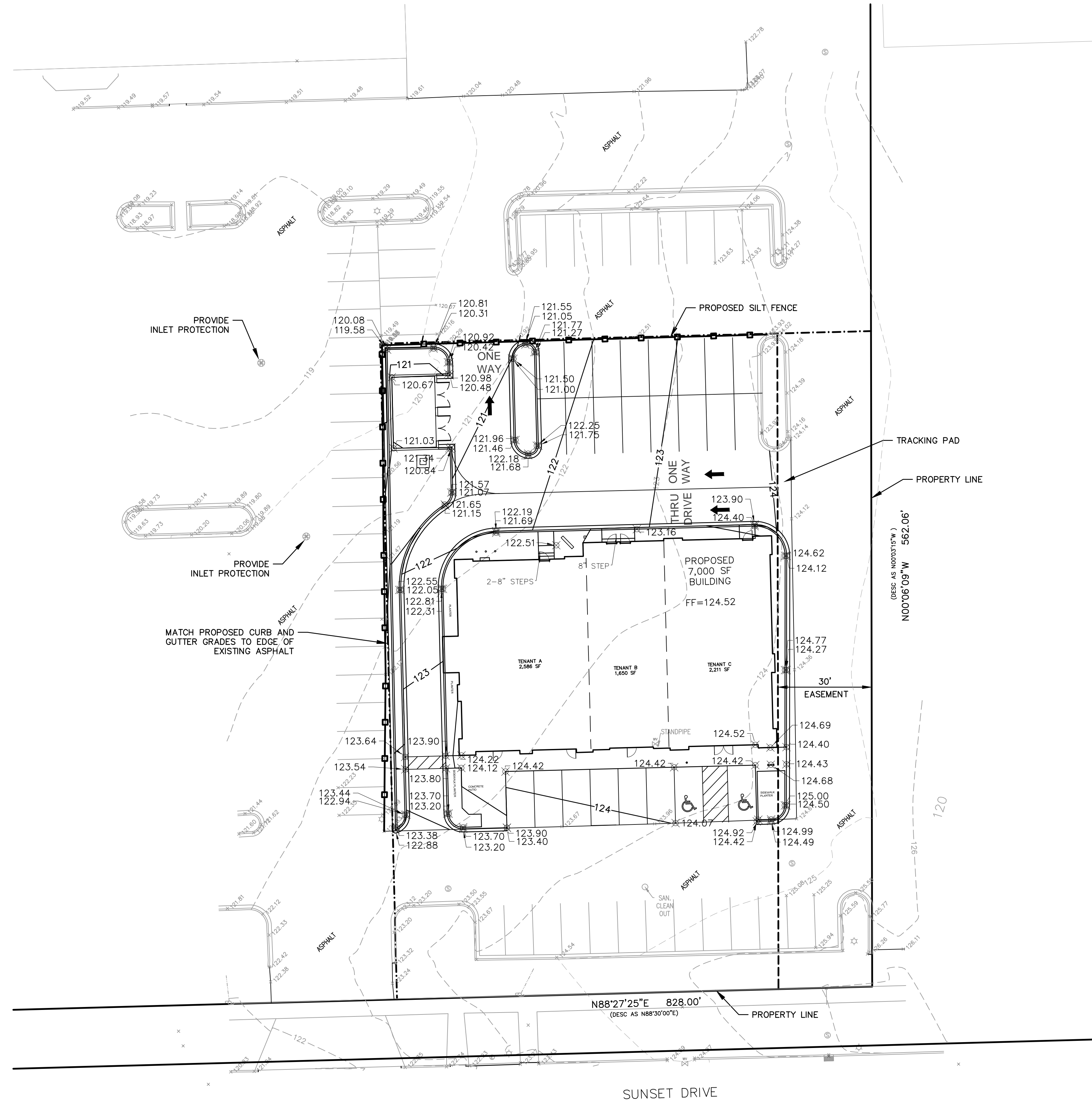
"THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO."

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**KEY ENGINEERING GROUP LTD.**  
 735 NORTH WATER STREET, SUITE 310  
 MILWAUKEE, WI 53202  
 414.224.8300 (tel) - 414.224.8385 (fax)

KEY PROJECT NUMBER 2604012
PROJECT SCALE 1" = 20'
SHEET NUMBER C-1

- CONSTRUCTION SEQUENCE:
- 1.) INSTALL ALL EROSION CONTROL DEVICES.
  - 2.) DEMOLITION AND REMOVAL OF ASPHALT AND CONCRETE.
  - 3.) ABANDON EXISTING UTILITIES.
  - 4.) ROUGH GRADING.
  - 5.) INSTALLATION OF UNDERGROUND UTILITIES.
  - 6.) CONSTRUCTION OF FOUNDATIONS AND BUILDING.
  - 7.) FINAL GRADING OF SITE.
  - 8.) CONSTRUCT CURB AND GUTTER.
  - 9.) INSTALL ASPHALT PAVING AND STRIPING.
  - 10.) INSTALL LANDSCAPING.
  - 11.) REMOVAL OF EROSION CONTROL DEVICES UPON SITE STABILIZATION.



- NOTES:
- 1.) ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. DEVICES SHALL BE INSTALLED AND MAINTAINED PER WISCONSIN DEPARTMENT OF NATURAL RESOURCES BEST MANAGEMENT PRACTICES (BMPs), TECHNICAL STANDARDS.
  - 2.) ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
  - 3.) CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH APPROPRIATE PUBLIC UTILITY COMPANIES.
  - 4.) INLET PROTECTION. PROTECT INLETS TO STORM DRAINS, CULVERTS AND OTHER STORM WATER CONVEYANCE SYSTEMS FROM SILTATION UNTIL THE SITE IS STABILIZED.
  - 5.) SITE DEWATERING. TREAT PUMPED WATER TO REMOVE SEDIMENT PRIOR TO DISCHARGE FROM SITE, USING BMPs SUCH AS SEDIMENT BASINS AND PORTABLE SEDIMENT TANKS.
  - 6.) SEDIMENT CLEANUP. BY THE END OF EACH WORKDAY, CLEAN UP ALL OFF-SITE SEDIMENT DEPOSITS OR TRACKED SOIL THAT ORIGINATED FROM THE PERMITTED SITE. FLUSHING SHALL NOT BE ALLOWED UNLESS RUNOFF IS TREATED BEFORE DISCHARGE FROM SITE.
  - 7.) FINAL SITE STABILIZATION. ALL PREVIOUS CROPLAND AREAS WHERE LAND DISTURBING ACTIVITIES WILL NOT BE OCCURRING UNDER THE PROPOSED GRADING PLANS SHALL BE STABILIZED UPON PERMIT ISSUANCE. STABILIZE ALL OTHER DISTURBED AREAS WITHIN 7 DAYS OF FINAL GRADING AND TOPSOIL APPLICATION. LARGE SITES SHALL BE TREATED IN STAGES AS FINAL GRADING IS COMPLETED IN EACH STAGE. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
  - 8.) TEMPORARY SITE STABILIZATION. ANY DISTURBED SITE THAT REMAINS INACTIVE FOR GREATER THAN 7 DAYS SHALL BE STABILIZED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING OR MULCHING. FOR PURPOSES OF THIS SUBSECTION, "INACTIVE" MEANS THAT NO SITE GRADING, LANDSCAPING OR UTILITY WORK IS OCCURRING ON THE SITE AND THAT PRECIPITATION EVENTS ARE NOT LIMITING THESE ACTIVITIES. FROZEN SOILS DO NOT EXCLUDE THE SITE FROM THIS REQUIREMENT.

- LEGEND
- ⊙ STORM SEWER MANHOLE
  - STORM SEWER INLET
  - ⊙ SANITARY SEWER MANHOLE
  - ☆ LIGHT POLE
  - ⊕ HYDRANT
  - WV WATER VALVE
  - 656 — PROPOSED CONTOUR
  - - - 656 - - - EXISTING CONTOUR
  - + 120.00 EXISTING SPOT GRADE
  - ⊗ 660.14 PROPOSED SPOT GRADE

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

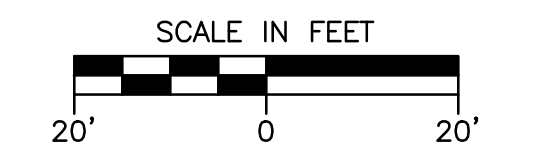
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WISCONSIN PROFESSIONAL ENGINEER  
JOHN BRADFORD MEYER  
E-41234  
WAUKESHA, WI  
John Bradford Meyer  
6/20/2016



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	DATE
				JBM	06/15/16
				JBM	06/15/16
				JBM	06/15/16
				CADFILE	
				REF	
				LMAN	

**GRADING AND EROSION CONTROL PLAN**  
**SUNSET CROSSING OUTLOT**  
 LOCKARD CONSTRUCTION  
 WAUKESHA, WISCONSIN

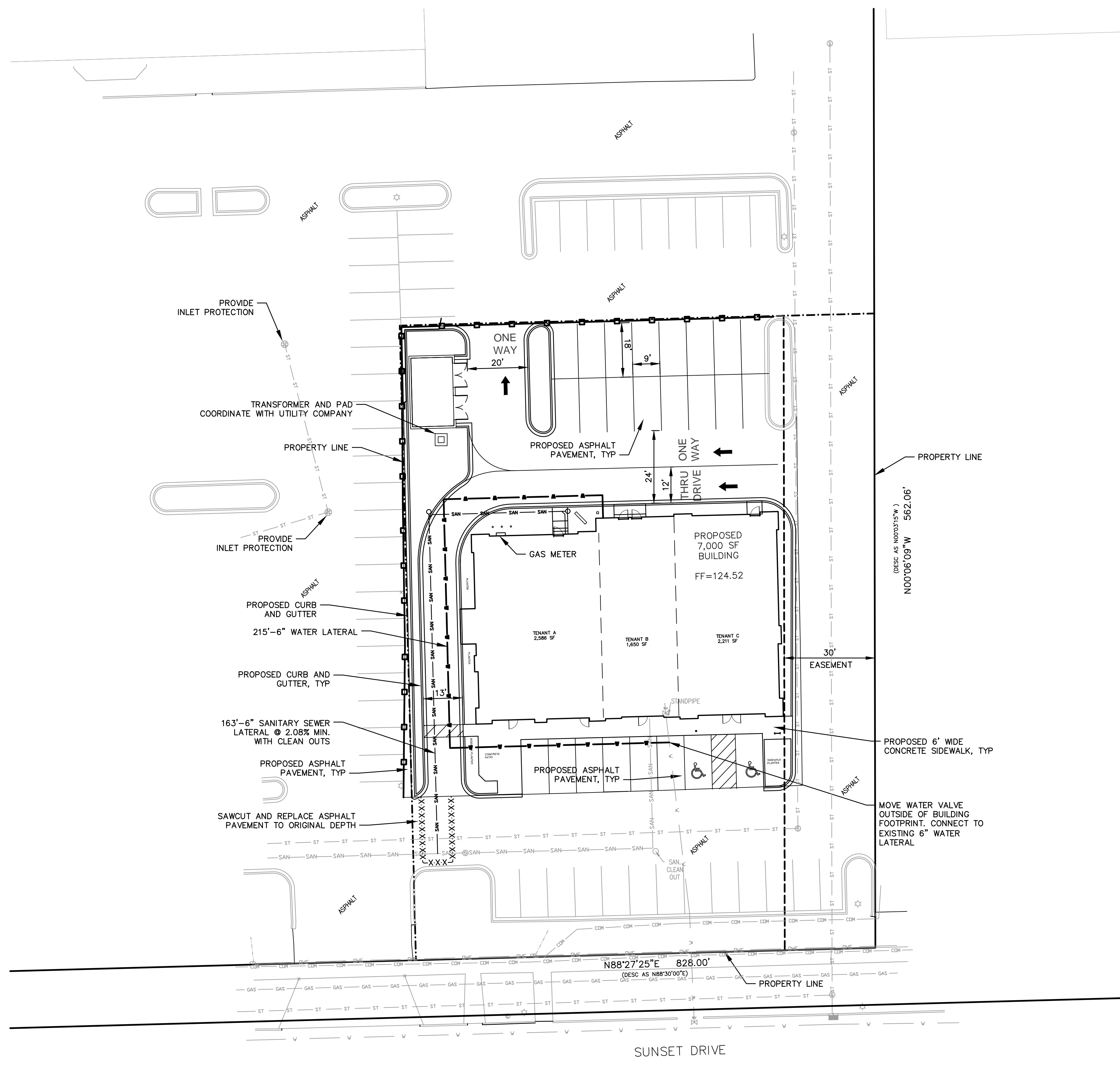
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KEY PROJECT NUMBER	2604012
PROJECT SCALE	1" = 20'
SHEET NUMBER	C-2

- NOTES:
- 1.) ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. DEVICES SHALL BE INSTALLED AND MAINTAINED PER WISCONSIN DEPARTMENT OF NATURAL RESOURCES BEST MANAGEMENT PRACTICES (BMPs), TECHNICAL STANDARDS.
  - 2.) CONTRACTOR SHALL VERIFY ALL ELEVATIONS IN FIELD PRIOR TO START OF CONSTRUCTION.
  - 3.) ALL WORK WITHIN PUBLIC RIGHT OF WAY SHALL BE COORDINATED WITH THE CITY OF WAUKESHA.
  - 4.) CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH APPROPRIATE PUBLIC UTILITY COMPANIES.



- LEGEND**
- (ST) STORM SEWER MANHOLE
  - STORM SEWER INLET
  - (S) SANITARY SEWER MANHOLE
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  - ⊕ HYDRANT
  - WV WATER VALVE
  - 656 — PROPOSED CONTOUR
  - - 656 - - EXISTING CONTOUR
  - +121.00 EXISTING SPOT GRADE
  - ⊗ 660.14 PROPOSED SPOT GRAD
  - ST — ST — EXISTING STORM SEWER
  - SAN — SAN — EXISTING SANITARY SEWER
  - W — W — EXISTING WATER MAIN
  - GAS — GAS — EXISTING GAS MAIN
  - COM — COM — EXISTING COM LINE
  - OHE — OHE — EXISTING OVERHEAD ELECTRIC LINE
  - 6" — 6" — PROPOSED 6" WATER LATERAL
  - SAN — SAN — PROPOSED 6" SANITARY LATERAL
  - PROPOSED TRANSFORMER AND BASE

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**MEMBER**

**ONE CALL SYSTEMS INTERNATIONAL**

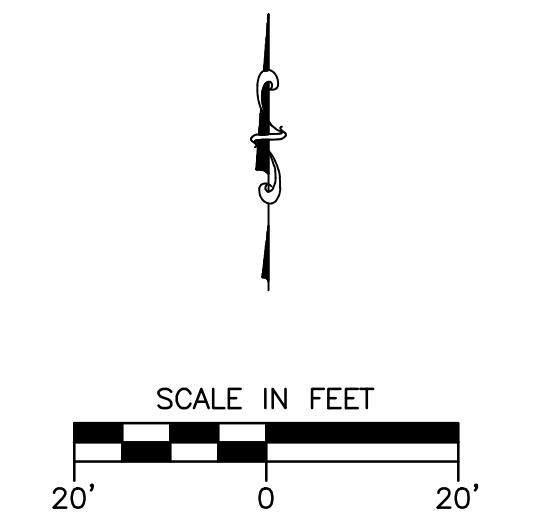
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MILW. AREA 259-1181

WISCONSIN PROFESSIONAL ENGINEER

JOHN BRAUFORD MEYER  
#E-41234  
WAUKESHA, WI

John Brauford Meyer  
6/20/2016



REVISION NO.	DESCRIPTION	DATE	BY

DESIGNED BY	DATE
JBM	06/15/16
DRAWN BY	DATE
JBM	06/15/16
APPROVED BY	DATE
JBM	06/15/16
CADFILE	
REF	
LMAN	

**PAVING AND UTILITY PLAN**  
**SUNSET CROSSING OUTLOT**  
LOCKARD CONSTRUCTION  
WAUKESHA, WISCONSIN

"THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO."

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KEY PROJECT NUMBER  
2604012

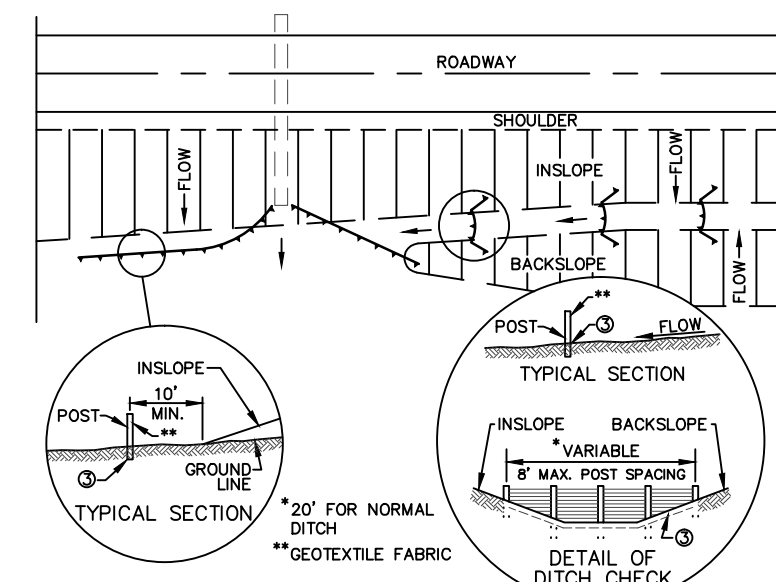
PROJECT SCALE  
1" = 20'

SHEET NUMBER  
C-3

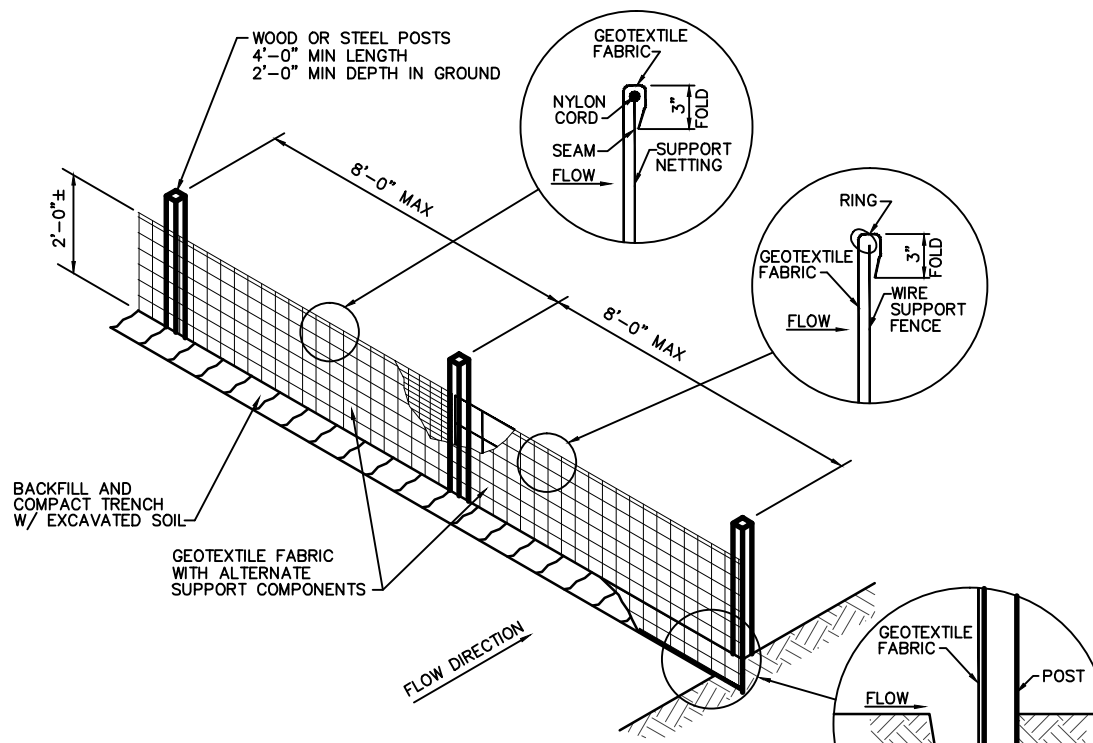
**SILT FENCE GENERAL NOTES:**

- 1. DETAIL OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
- 2. WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.
- 3. CROSS BRACE WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- 4. MINIMUM 14 GAGE WIRE REQUIRED; FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C-C.
- 5. EXCAVATE A TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
- 6. WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C-C.
- 7. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLY-PROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 3/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.
- 8. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM HEIGHT OF 1.25 DIA. FT. (WITHOUT ANCHOR). THE ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIA. OR 1-1/2" x 3-1/2" EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OAK OR HICKORY.

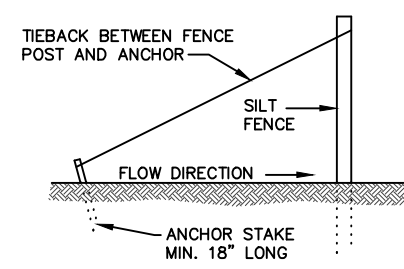
ALTERNATIVES A AND B ARE EQUAL AND EITHER MAY BE USED.



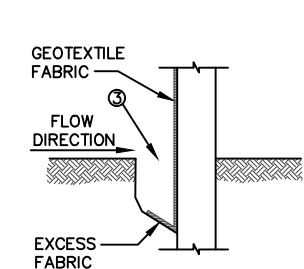
TYPICAL APPLICATIONS OF SILT FENCE



SILT FENCE - ALTERNATE "A"

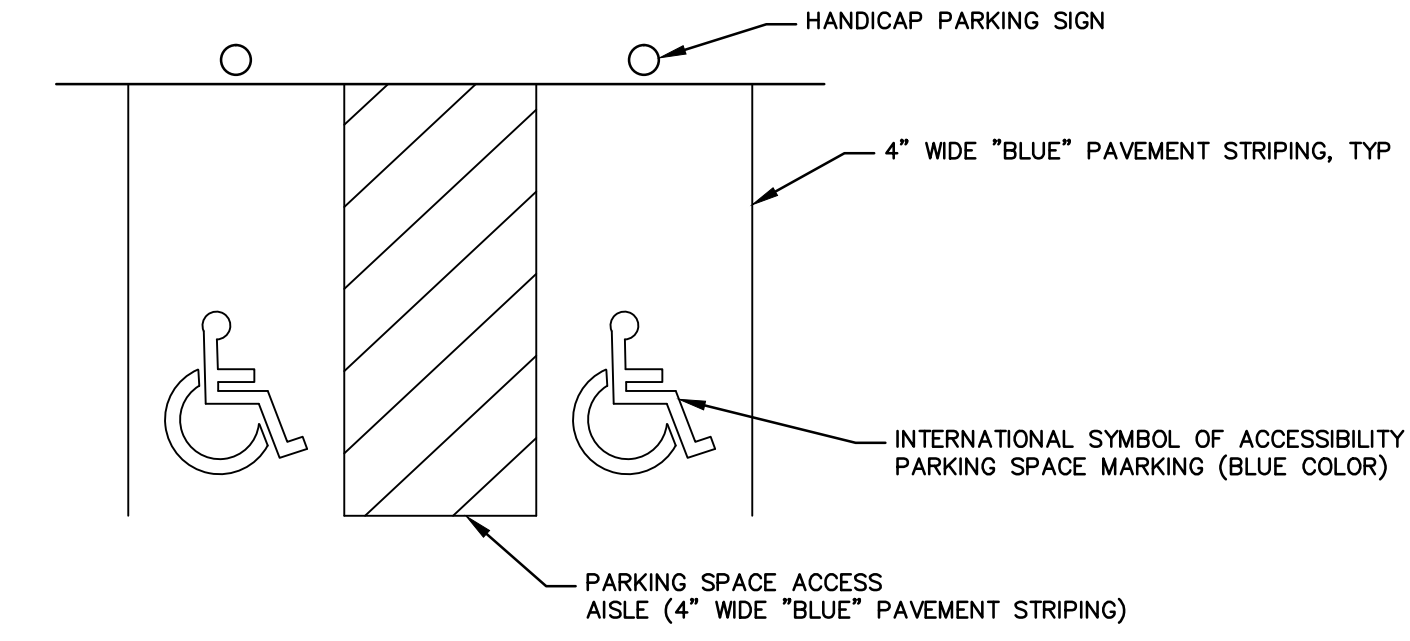


SILT FENCE TIE BACK (WHEN REQUIRED BY THE ENGINEER)

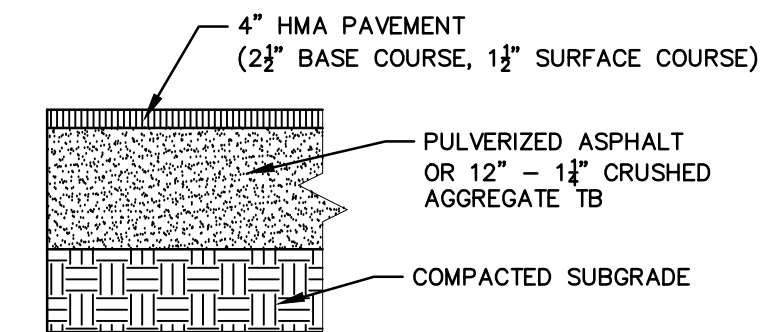


TRENCH DETAIL

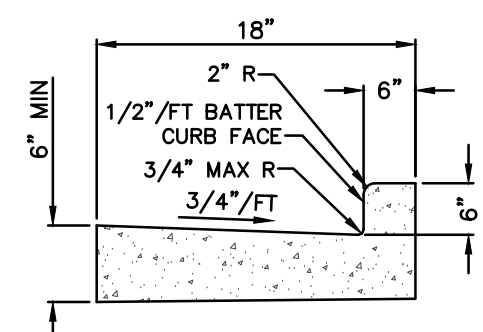
SILT FENCE INSTALLATION DETAIL NOT TO SCALE



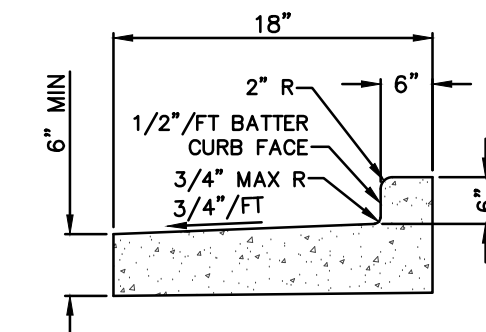
HANDICAP PAVEMENT MARKING DETAIL NOT TO SCALE



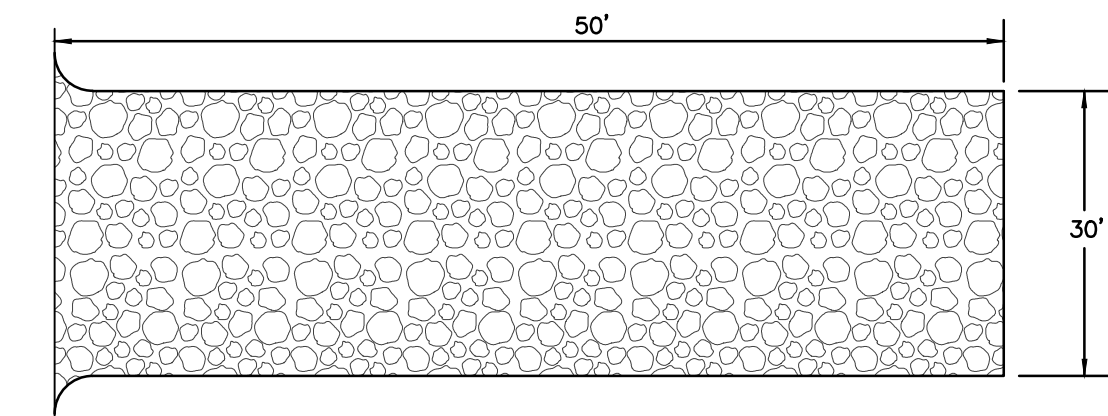
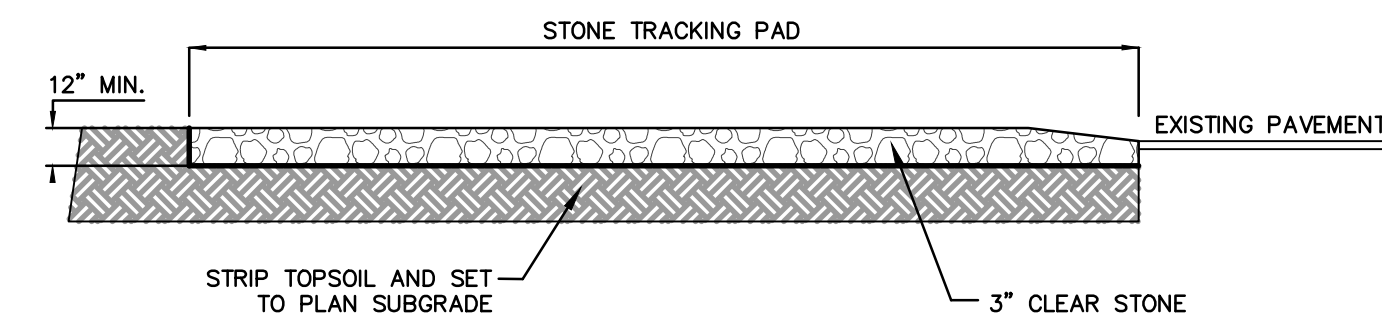
ASPHALT PAVEMENT NOT TO SCALE



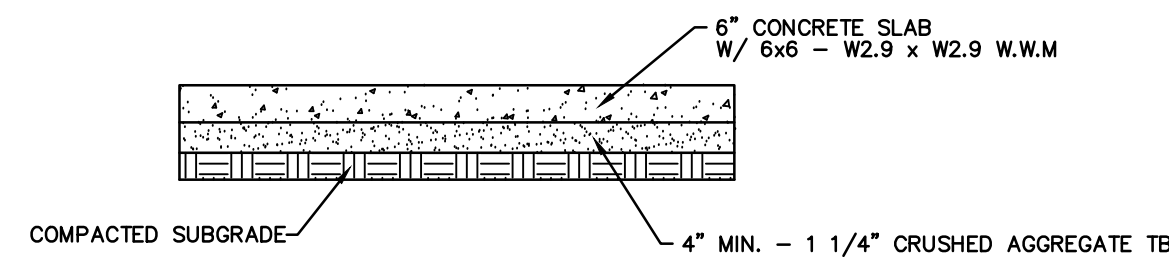
18" CURB & GUTTER NOT TO SCALE



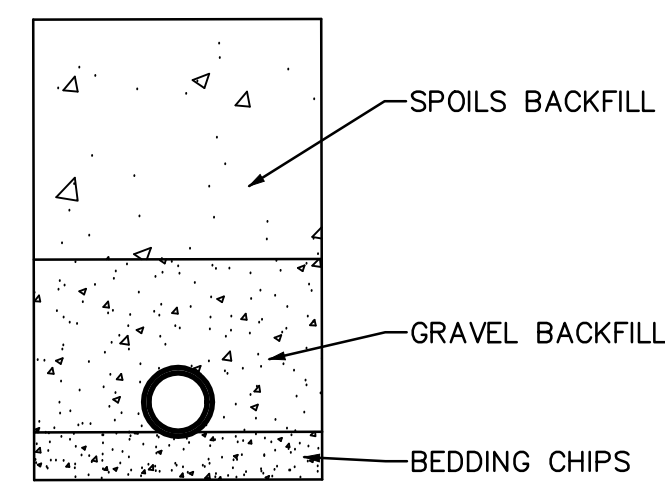
18" REJECT CURB & GUTTER NOT TO SCALE



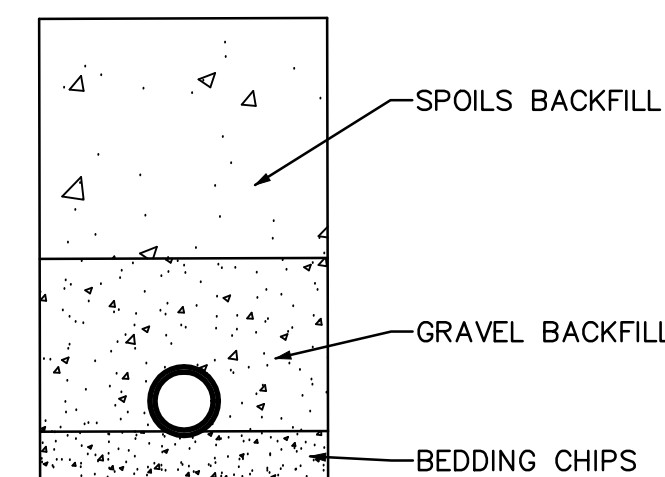
STONE TRACKING PAD NOT TO SCALE



CONCRETE PAVEMENT DETAIL NOT TO SCALE



WATER LATERAL TRENCH DETAIL NOT TO SCALE



SANITARY LATERAL TRENCH DETAIL NOT TO SCALE



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				JBM	05/09/16
				JBM	05/09/16
				JBM	05/09/16

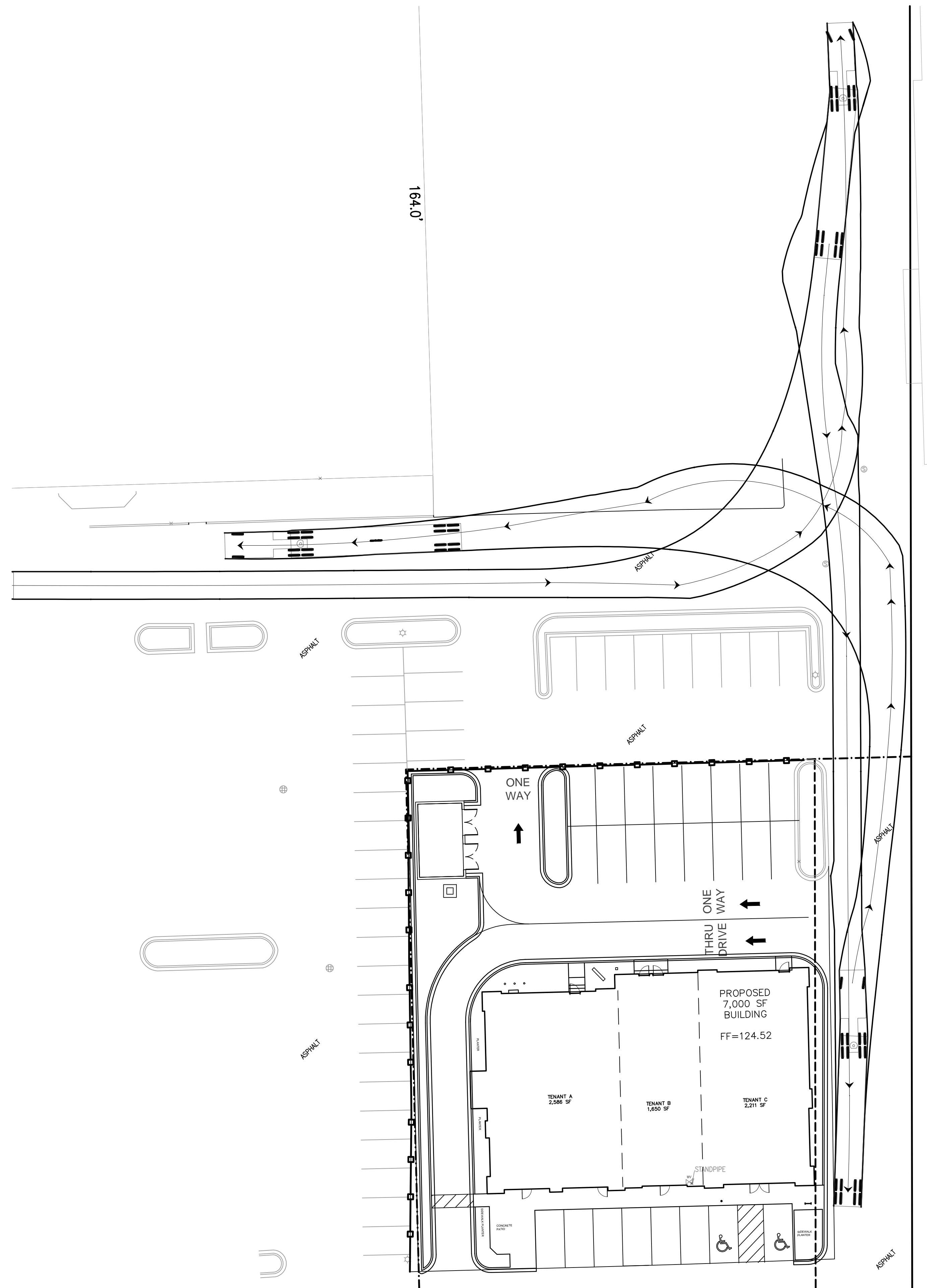
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 VREF  
 LMAN

**STANDARD DETAILS  
 SUNSET CROSSING OUTLOT  
 LOCKARD CONSTRUCTION  
 WAUKESHA, WISCONSIN**

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KEY PROJECT NUMBER 2604012
PROJECT SCALE NOT TO SCALE
SHEET NUMBER C-4



- LEGEND**
- (ST) STORM SEWER MANHOLE
  - [ ] STORM SEWER INLET
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  - ⊕ HYDRANT
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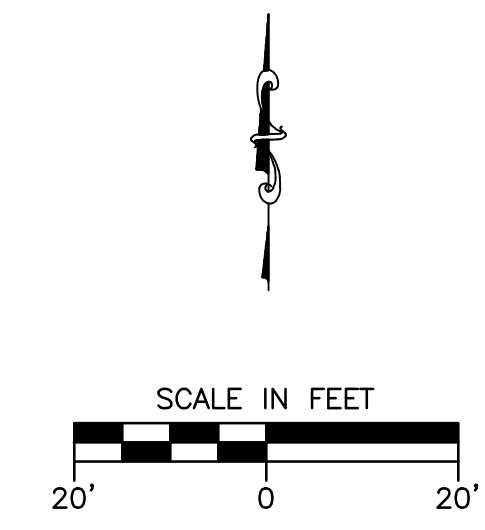
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 MILW. AREA 259-1181

PROFESSIONAL ENGINEER  
 JOHN BRADFORD MEYER  
 E-41234  
 WAUKESHA, WI  
 6/20/2016



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	DATE
				JBM	06/15/16
				JBM	06/15/16
				JBM	06/15/16

**TURNING MOVEMENT SEMI TRAILER  
 SUNSET CROSSING OUTLOT  
 LOCKARD CONSTRUCTION  
 WAUKESHA, WISCONSIN**

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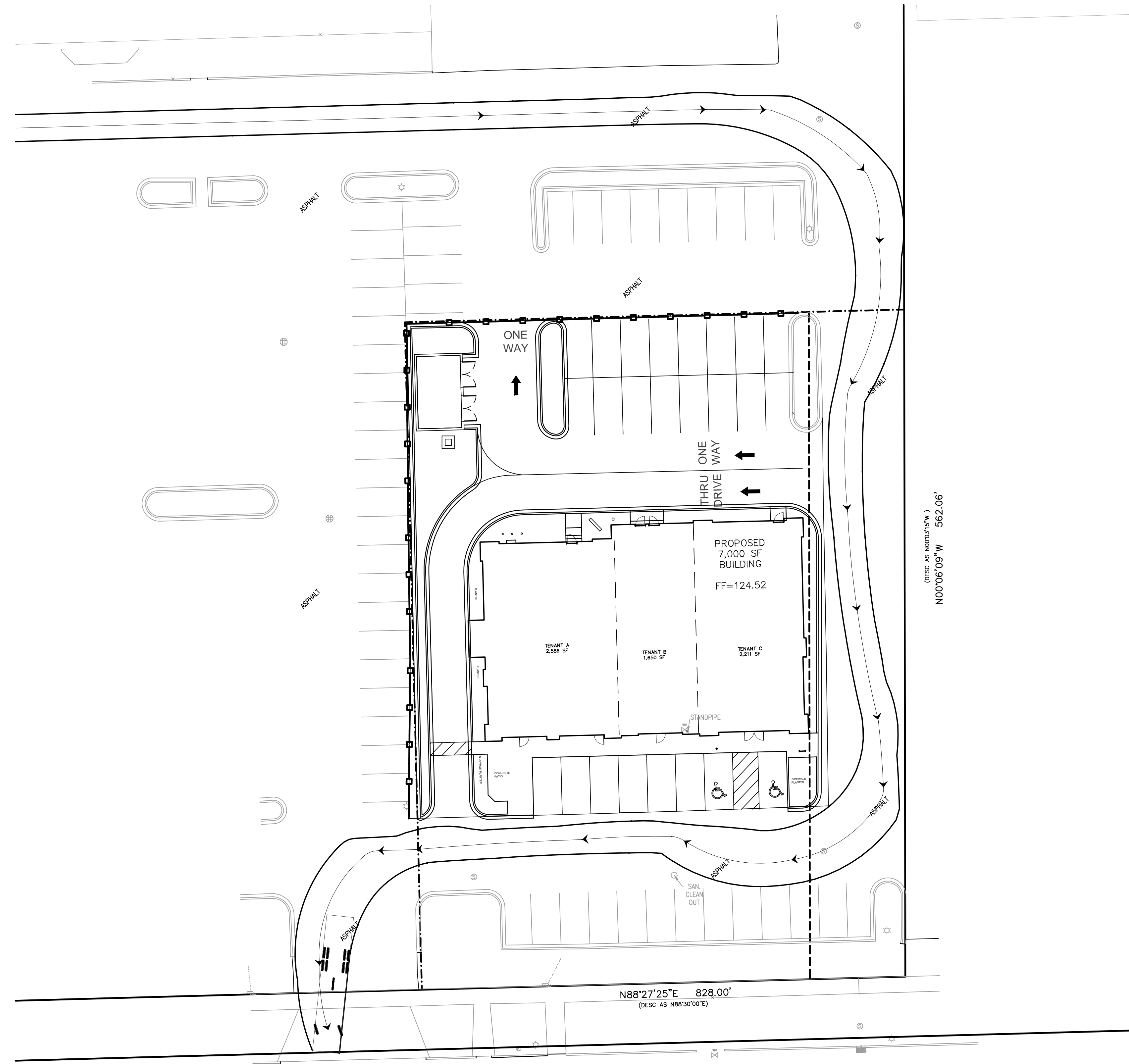


KEY PROJECT NUMBER  
**2604012**

PROJECT SCALE  
**1" = 20'**

SHEET NUMBER  
**TM-1**

Jun 20, 2016 9:27am C:\Users\jbm\Documents\2604012 - Sunset Crossing - SRF - CADD\TM-1.dwg



- LEGEND**
- (ST) STORM SEWER MANHOLE
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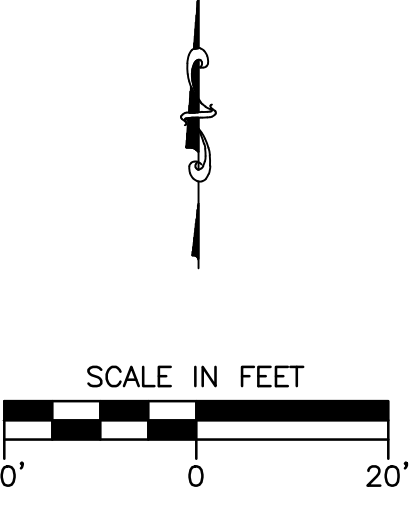
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JOHN BRADFORD MEYER  
E-41234  
WAUWATOSA, WI  
PROFESSIONAL ENGINEER

*John Bradford Meyer*  
6/20/2016



REVISION NO.	DESCRIPTION	DATE	BY	DESIGNED BY	DATE
				JBM	06/15/16
				JBM	06/15/16
				JBM	06/15/16

**TURNING MOVEMENT FIRE TRUCK  
SUNSET CROSSING OUTLOT  
LOCKARD CONSTRUCTION  
WAUKESHA, WISCONSIN**

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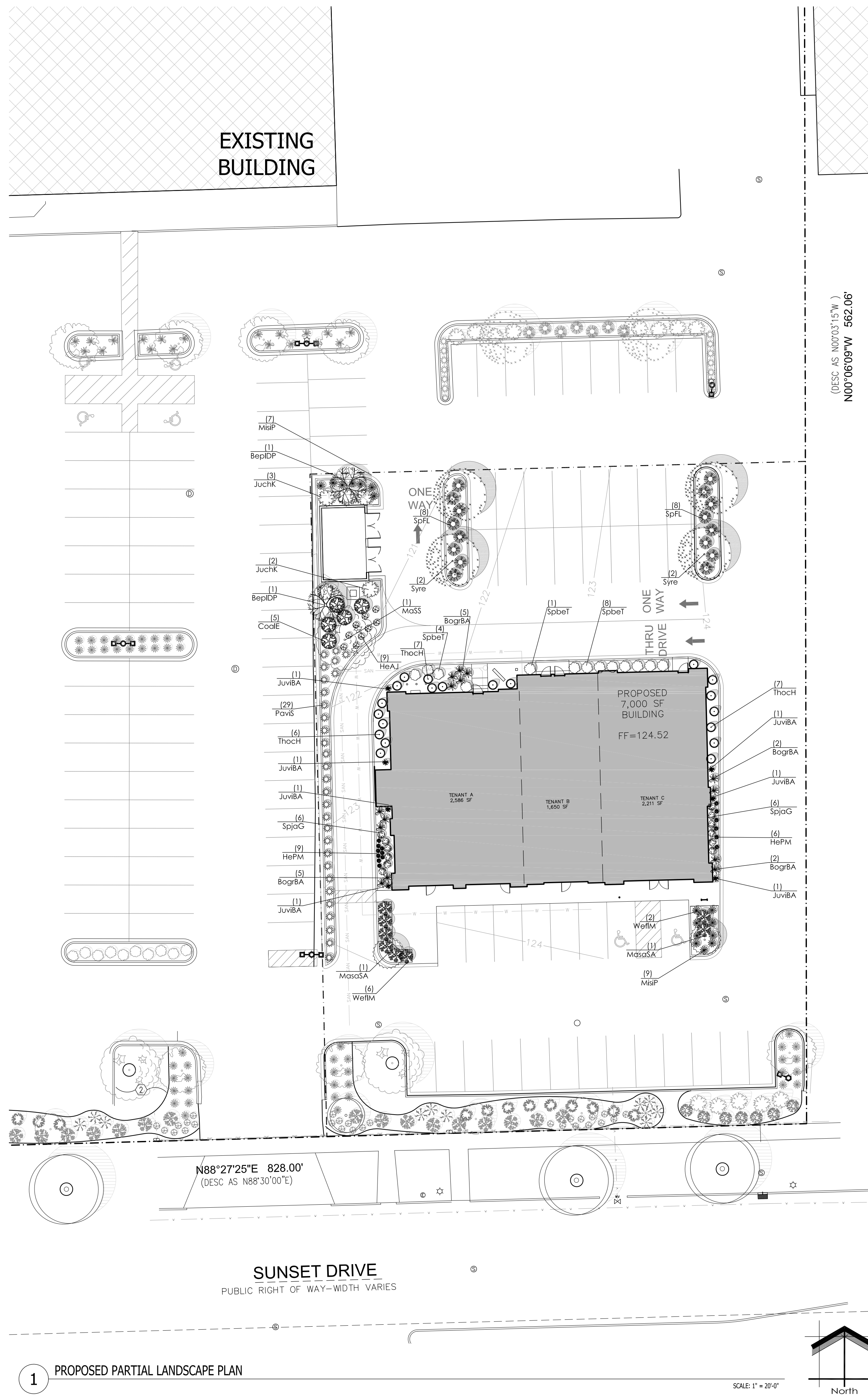
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KEY PROJECT NUMBER  
**2604012**

PROJECT SCALE  
**1" = 20'**

SHEET NUMBER  
**TM-2**



Proposed Plant Material Table - Out Lot

Quantity	Code Name	Symbol	Scientific Name	Common Name	Planting Size
<b>Broadleaf Deciduous Tree</b>					
2	BepIDP		Betula platyphylla 'Dakota Pinnacle'	Dakota Pinnacle Birch	2 1/2"-Cal - B&B
1	MaSS		Malus 'Spring Snow'	Spring Snow Flowering Crab	2 1/2"-Cal - B&B
2	MaSaSA		Malus sargentii 'Select A'	Firebird Crabapple	1 1/2"-Cal - B&B
4	Syre		Syringa reticulata	Ivory Silk tree lilac	2 1/2"-Cal - B&B
<b>Conifer Evergreen Tree</b>					
7	JuvvBA		Juniperus virginiana 'Blue Arrow'	Blue Arrow Juniper	5' - 6' - B&B
<b>Broadleaf Deciduous Shrub</b>					
5	CoolE		Cornus alba 'Elegantissima'	Variiegated red twig dogwood	18" - 24" - Cont
13	SpbeT		Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	18" - Cont
12	SpjaG		Spiraea japonica 'Galen'	Double Play Artist Spirea	18" - Cont
16	SpFL		Spiraea x 'Fire Light'	Fire Light Spirea	18" - Cont
8	WeFlM		Weigela florida 'Minuet'	Minuet Weigela	18" - 24" - Cont
<b>Conifer Evergreen Shrub</b>					
5	JuchK		Juniperus chinensis 'Kallay's Compact'	Kallay's Compact Juniper	18" - 24" - B&B
20	ThocH		Thuja occidentalis 'Holmstrup'	Holmstrup Dwarf Arborvitae	3' - 4' - B&B
<b>Perennial Grass</b>					
14	BogrBA		Bouteloua gracilis 'Blonde Ambition'	Blonde Ambition Blue Grama Grass	1-Gal - Cont
16	MisP		Miscanthus sinensis 'Purpurascens'	Purple Silver Grass	1-Gal - Cont
29	PavvS		Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1-Gal - Cont
<b>Perennial</b>					
9	HeAJ		Hemerocallis x 'Alabama Jubilee'	Alabama Jubilee Daylily	4 1/2" - pot
15	HePM		Hemerocallis x 'Pardon Me'	Pardon Me Dwarf Daylily	4 1/2" - pot

- LANDSCAPE PLAN GENERAL NOTES**
- \*\* PLANT MATERIAL SHOWN ON LANDSCAPE PLAN IS DEPICTED AT MATURE GROWTH. \*\*
- AT LEAST SEVENTY-TWO HOURS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AS GIVEN BY THE ELECTRIC, GAS, TELEPHONE, WATER, SEWER, AND CABLE TELEVISION COMPANIES, UTILITIES OR ENTITIES. REVIEW WITH OWNER'S REPRESENTATIVE SITE MECHANICAL, SITE ELECTRICAL AND LIGHTING, SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS. RECORD SET OF INFORMATION THE SAME AS IN POSSESSION OF OWNER'S REPRESENTATIVE. ALSO REVIEW OWNER'S "MARK SETS" OF ALL OF THESE DRAWINGS IN POSSESSION OF THE CONTRACTOR OR OWNER. MARK ALL SUCH UTILITIES ON THE SITE PRIOR TO COMMENCING. COORDINATE WITH OWNER BEFORE AND DURING CONSTRUCTION. REPAIR ANY DAMAGE TO ANY SYSTEM THAT IS CAUSED BY LANDSCAPE CONTRACTOR AT NO COST TO OWNER.
  - ALL PLANTINGS SPECIFIED FOR THE FOREST RIDGE PROJECT PLANTING TABLES (SHEET LSP1.2) SHALL COMPLY WITH STANDARDS AS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1 2014 AND ANSI STANDARDS FOR PLANTING 2012
  - DEVIATIONS FROM THE APPROVED SUNSET REDEVELOPMENT PROJECT PLANS SHALL BE NOTED ON THE RECORD DRAWING BY THE CONTRACTOR AND ONLY WITH PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. VERBAL AGREEMENTS OR REVISIONS WITHOUT A CHANGE ORDER WILL NOT BE RECOGNIZED BY LANDSCAPE ARCHITECT AND OWNER.
  - ALL PLANTS MUST BE BID AND SELECTED PER THE SPECIES SPECIFIED ON THE PLANS. THE SIZES OF PLANT MATERIAL LISTED HEREIN IS A MINIMUM ACCEPTABLE SIZE. ADDITIONALLY, IF EXCESSIVE PRUNING REDUCES THE CROWN THE PLANT SHALL BE REPLACED.
  - PROTECT PUBLIC FROM CONSTRUCTION WITH BARRIERS AND BARRICADES.
  - ALL AREAS THAT WERE DISTURBED DURING CONSTRUCTION AND AREAS NOT COVERED WITH PAVEMENT, BUILDING, PLANTING BEDS, OR TREE PITS ARE TO BE TOPSOILED 3" DEEP (MIN.) AND SHALL BE SODDED/SEEDED WITH SPECIFIED LAWN GRASS. LANDSCAPE CONTRACTOR SHALL INCLUDE COST PER SQUARE YARD FOR ADDITIONAL SEED OPERATIONS AS MAY BE POSSIBLY REQUIRED TO REESTABLISH ADJACENT TURF GRASS AREAS WHICH MAY BECOME DAMAGED DURING THE CONSTRUCTION PROCESS OR TO REPAIR DAMAGE DONE BY OTHERS.
  - CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL MATERIALS, TOOLS, EQUIPMENT, LABOR, AND PLANTS NECESSARY FOR PROPER PLANTING AND INSTALLATION OF ALL LANDSCAPE MATERIAL.
  - QUANTITIES ON PLANT MATERIALS LIST ARE FOR CONVENIENCE OF BIDDING ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON LANDSCAPE PLANS AND COVERAGE OF ALL AREAS DELINEATED. THE PLANS ARE TO SUPERSEDE THE PLANT LIST IN ALL CASES.
  - CONTRACTOR IS RESPONSIBLE FOR ALL ESTIMATING AND BIDDING. ALL AREAS, QUANTITIES MATERIALS SHOULD BE FIELD VERIFIED WITH SITE CONDITIONS.
  - WHERE DISCREPANCIES OCCUR BETWEEN THE LANDSCAPE PLANS AND/OR ARCHITECTURAL AND/OR THE CIVIL DRAWINGS (AND ANY OTHER SITE DRAWINGS) THE DISCREPANCIES MUST BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION FOR COORDINATION AND RESOLUTION.
  - ALL DISEASED, NOXIOUS OR INAPPROPRIATE MATERIALS SHALL BE REMOVED FROM THE PROPOSED SITE PRIOR TO THE START OF CONSTRUCTION AND DURING THE MAINTENANCE PERIOD.
  - GENERAL CONTRACTOR SHALL LEAVE THE SITE FREE OF CONSTRUCTION DEBRIS.
  - ALL LAWN AND PLANTING AREAS SHALL SLOPE TO DRAIN A MINIMUM OF 2% UNLESS NOTED OTHERWISE AND REVIEWED WITH OWNER'S REPRESENTATIVE FOR FINAL APPROVAL.
  - FINISH GRADES FOR SHRUB AND GROUND COVER AREAS SHALL BE HELD 1" BELOW TOP OF ADJACENT PAVEMENTS AND CURBS, UNLESS NOTED OTHERWISE ON THE PLANS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
  - ALL PERENNIAL, ANNUAL AND GROUND COVER AREAS TO RECEIVE A BLEND OF ORGANIC SOIL AMENDMENTS PRIOR TO PLANTING. TILL THE FOLLOWING MATERIALS INTO EXISTING TOPSOIL TO A DEPTH OF APPROXIMATELY 8" A DEPTH OF 2" IN TREE PITS. PROPORTIONS AND QUANTITIES MAY REQUIRE ADJUSTMENT DEPENDING ON THE CONDITION OF EXISTING SOIL. REFER TO LSP1.2 FOR FURTHER INFORMATION.  
 PER EVERY 100 SQUARE FEET ADD:  
 ONE - 2 CUBIC FOOT BALE OF PEAT MOSS, 2 POUNDS OF 5-10-5 GARDEN FERTILIZER, 1/4 CUBIC YARD OF COMPOSTED MANURE OR OTHER COMPOSTED, ORGANIC MATERIAL
  - ALL SHRUBS TO BE POCKET PLANTED WITH A 50/50 MIX OF COMPOSTED, ORGANIC MATERIAL AND EXISTING SOIL. INSTALL TOPSOIL INTO ALL BEDS AS NEEDED TO ACHIEVE PROPER GRADE. REMOVE ALL EXCESSIVE GRAVEL, CLAY AND STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
  - PLANT ALL TREES SLIGHTLY HIGHER THAN FINISHED GRADE AT ROOT FLARE. BACK FILL HOLE WITH 2/3 EXISTING TOPSOIL AND ORGANIC SOIL AMENDMENTS SPECIFIED IN NOTE 15. AVOID ANY AIR POCKETS. DISCARD ANY GRAVEL CLAY OR STONES. REFER TO LSP1.2 FOR FURTHER INFORMATION.
  - ALL TREES TO BE INSTALLED, STAKED AND GUYED ACCORDING TO DETAILS. REFER TO ANSI STANDARDS FOR PLANTING 2012 AND DETAILS ON LSP1.2 FOR FURTHER INFORMATION.
  - PROVIDE A 4'-0" - 5'-0" DIAMETER MULCH RING ALL LAWN TREES.
  - ALL PLANTINGS TO BE WATERED AT THE TIME OF PLANTING, THROUGHOUT CONSTRUCTION AND UPON COMPLETION OF PROJECT AS REQUIRED.
  - WHERE SPECIFIED, ALL PLANT BEDS, PITS AND TREE RINGS ARE TO RECEIVE A MINIMUM OF 2'-3" DRESSING OF SHREDDED HARDWOOD OAK BARK MULCH SHAVINGS FREE OF GROWTH, WEEDS, FOREIGN MATTER DETRIMENTAL TO PLANT LIFE OR GERMINATION INHIBITING INGREDIENTS. LANDSCAPE CONTRACTOR TO PROVIDE A SAMPLE TO OWNER FOR APPROVAL. CONTRACTOR TO TAKE CARE WITH INSTALLATION NOT TO DAMAGE OR COVER PLANTS. REFER TO LSP1.2 FOR FURTHER INFORMATION.
  - LAWN INSTALLATION: CONTRACTOR TO FURNISH AND PREPARE TOPSOIL (3" MIN) AND SEED BED (REMOVE ALL STONES 1" OR LARGER). APPLY STARTER FERTILIZER AND SEED UNIFORMLY. PROVIDE A MULCH COVERING SUITABLE TO GERMINATE AND ESTABLISH TURF. EROSION CONTROL MESH SHOULD BE USED IN SWALES AND STEEP GRADES WHERE APPLICABLE. METHODS OF INSTALLATION MAY VARY AT THE DISCRETION OF CONTRACTOR. IT IS HIS/HER RESPONSIBILITY TO ESTABLISH AND GUARANTEE A SMOOTH, UNIFORM, QUALITY TURF. IF STRAW MULCH IS USED AS A COVERING, A TACKIFIER MAY BE NECESSARY TO AVOID WIND DAMAGE.
  - REQUIRED SEED MIXES:  
**PREMIUM 60 GRASS SEED MIX REINDER'S (262) 786-3300**  
 20% AMERICAN KENTUCKY BLUE GRASS  
 20% ALPINE KENTUCKY BLUE GRASS  
 20% LANGARA KENTUCKY BLUE GRASS  
 20% VICTORY CHEWINGS FESCUE  
 10% FESTA III PERENNIAL RYE GRASS  
 10% CUTLER PERENNIAL RYE GRASS  
 APPLY AT A RATE OF 175 POUNDS PER ACRE.  
 REFER TO SUPPLIERS SPECIFICATIONS AND INSTALLATION CUT SHEETS FOR FURTHER INFORMATION
  - DURING THE INITIAL "30 DAY MAINTENANCE PERIOD" THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE AND ON-GOING PLEASANT VISUAL ENVIRONMENT WHEREAS ANY PLANT WHICH IS NOT RESPONDING TO TRANSPLANTING OR THRIVING SHALL IMMEDIATELY BE REPLACED. NEW LAWNS SHALL WATERED AND REPAIRED AND WEEDS MUST CONSTANTLY BE REMOVED. NO EXCEPTIONS WILL BE GRANTED.
  - MAINTENANCE. THE OWNER SHALL TEND AND MAINTAIN ALL PLANT MATERIALS IN A HEALTHY GROWING CONDITION AS PER THE APPROVED PLAN. PLANTINGS SHALL BE REPLACED WHEN NECESSARY AND KEPT FREE FROM REFUSE & DEBRIS. ALL PLANTING MATERIAL WHICH IS DYING OR DAMAGED BEYOND RECOVERY SHALL BE REPLACED WITHIN SIX (6) MONTHS OR BY THE NEXT PLANTING SEASON, WHICHEVER COMES FIRST.
  - LANDSCAPE / SITE DEMOLITION CONTRACTOR TO VERIFY LOCATIONS OF EXISTING TREES AND SHRUBS BE SALVAGED AND CLEARLY TAG THEM WITH MARKING TAPE AND CONSTRUCTION FENCE.

**INSITE**  
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 mdavis@insitelandscape.com

Project:  
**SUNSET REDEVELOPMENT**  
 120 E. Sunset Drive  
 Waukesha, WI

Issuance and Revisions:

Date	Number	Description
05/11/16		Plan Commission Submittal
06/17/16		Revisions Based on Site Changes

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Sheet Title:  
 PROPOSED PARTIAL LANDSCAPE PLAN, GENERAL NOTES, AND PLANT MATERIAL TABLE

Date of Drawing: 06/17/16  
 Scale: 1" = 20'-0"  
 Drawn By: MCD  
 Job Number: L16-024 (12-2014)  
 Sheet Number:

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

**DIGGERS HOT LINE**

WISCONSIN STATUTE 182.0175 (1974) REQUIRES A MINIMUM OF 3 DAYS NOTICE BEFORE YOU EXCAVATE (NOT INCLUDING SATURDAY, SUNDAY OR LEGAL HOLIDAYS)

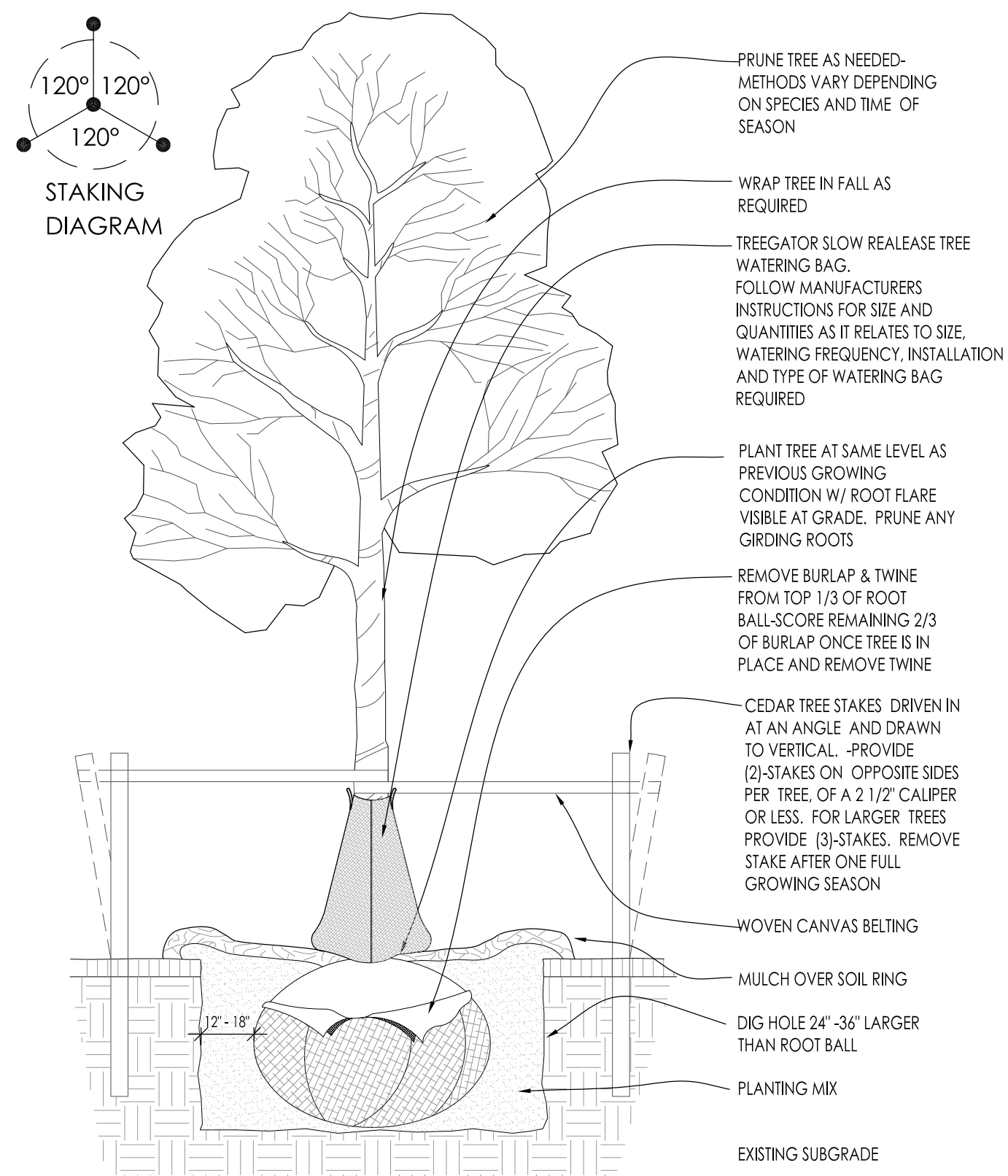
UNDERGROUND SEWER AND UTILITY INFORMATION AS SHOWN IS OBTAINED FROM THE RECORDS OF MUNICIPALITY AND LOCAL UTILITY COMPANIES. THE ACCURACY OF WHICH CAN NOT BE GUARANTEED OR CERTIFIED TO

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN CALL THE MILWAUKEE UTILITY ALERT NETWORK  
 (800) 242-8511, (262) 452-7910 (877) 500-9592  
 www.DiggersHotline.com OR

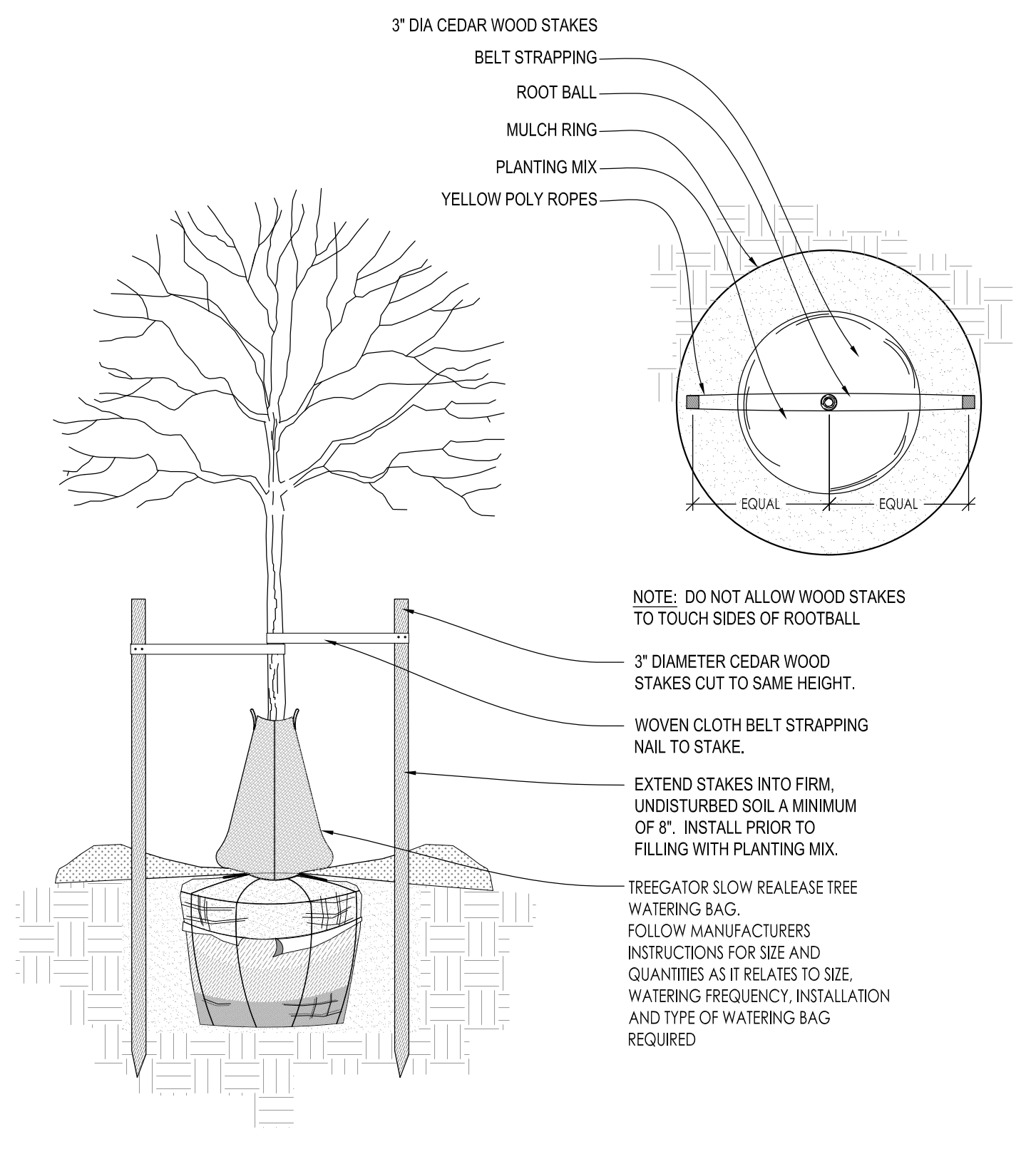
**811**  
 Know what's below.  
 Call before you dig.

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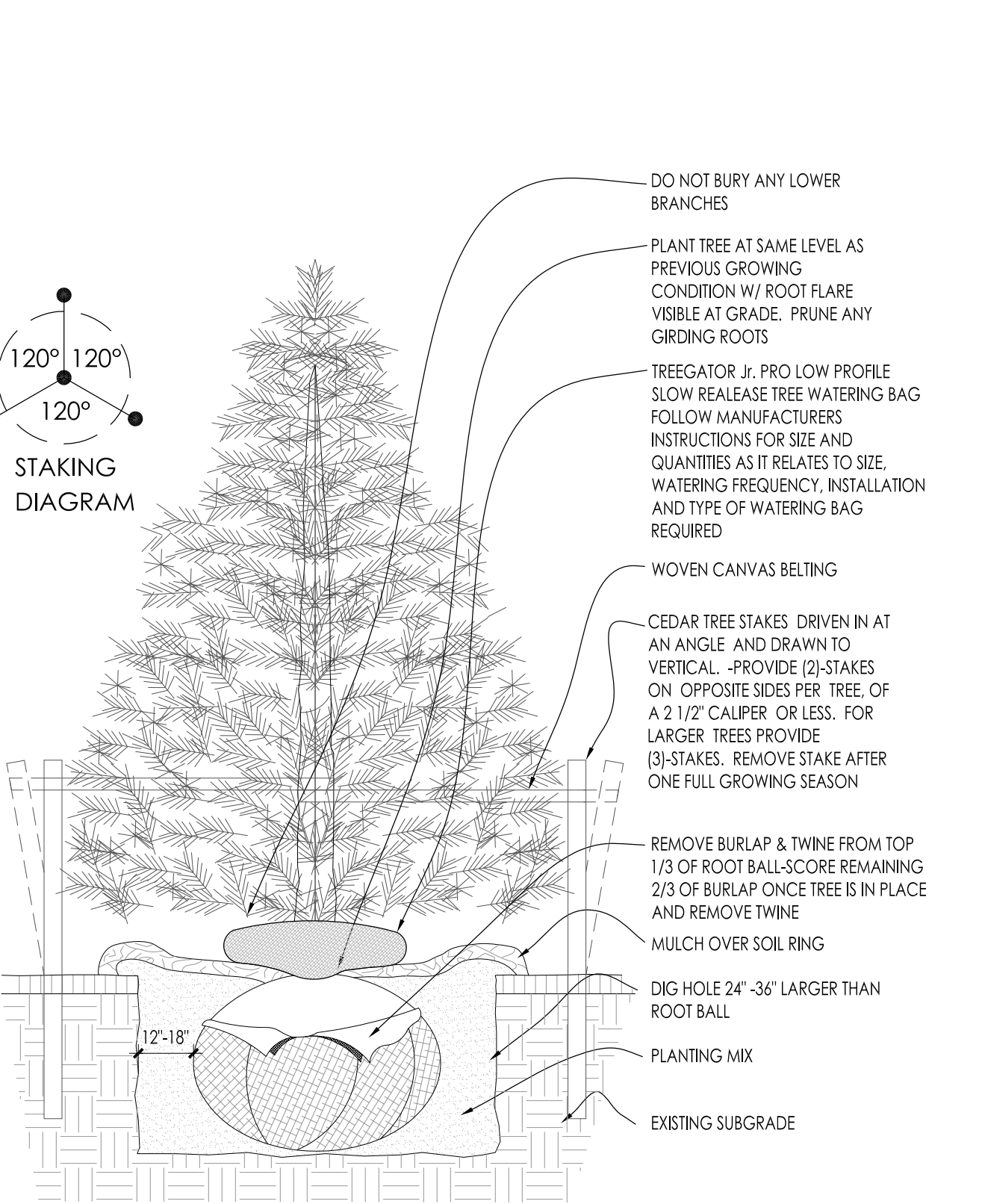




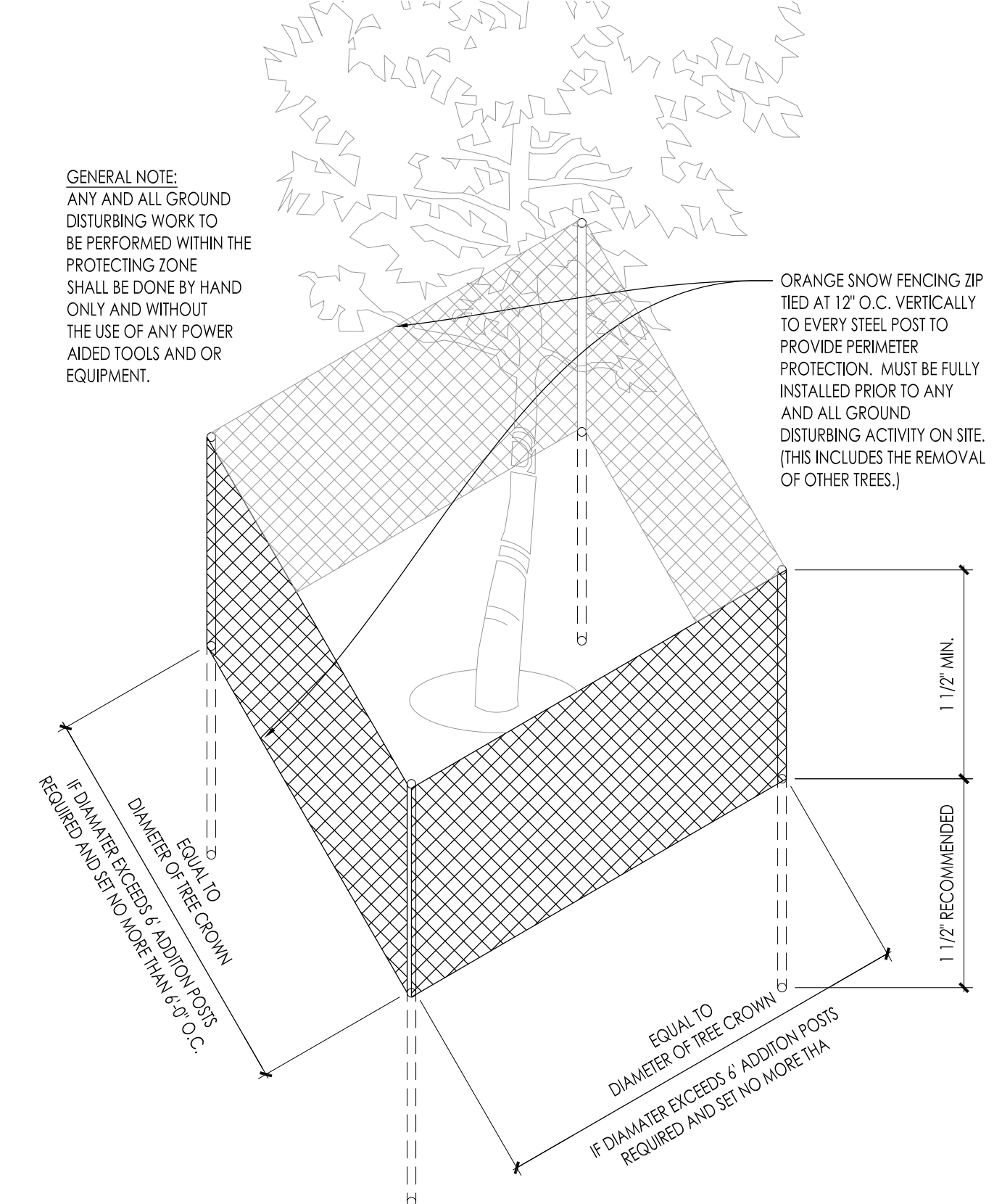
1 DECIDUOUS TREE PLANTING DETAIL SCALE: NONE



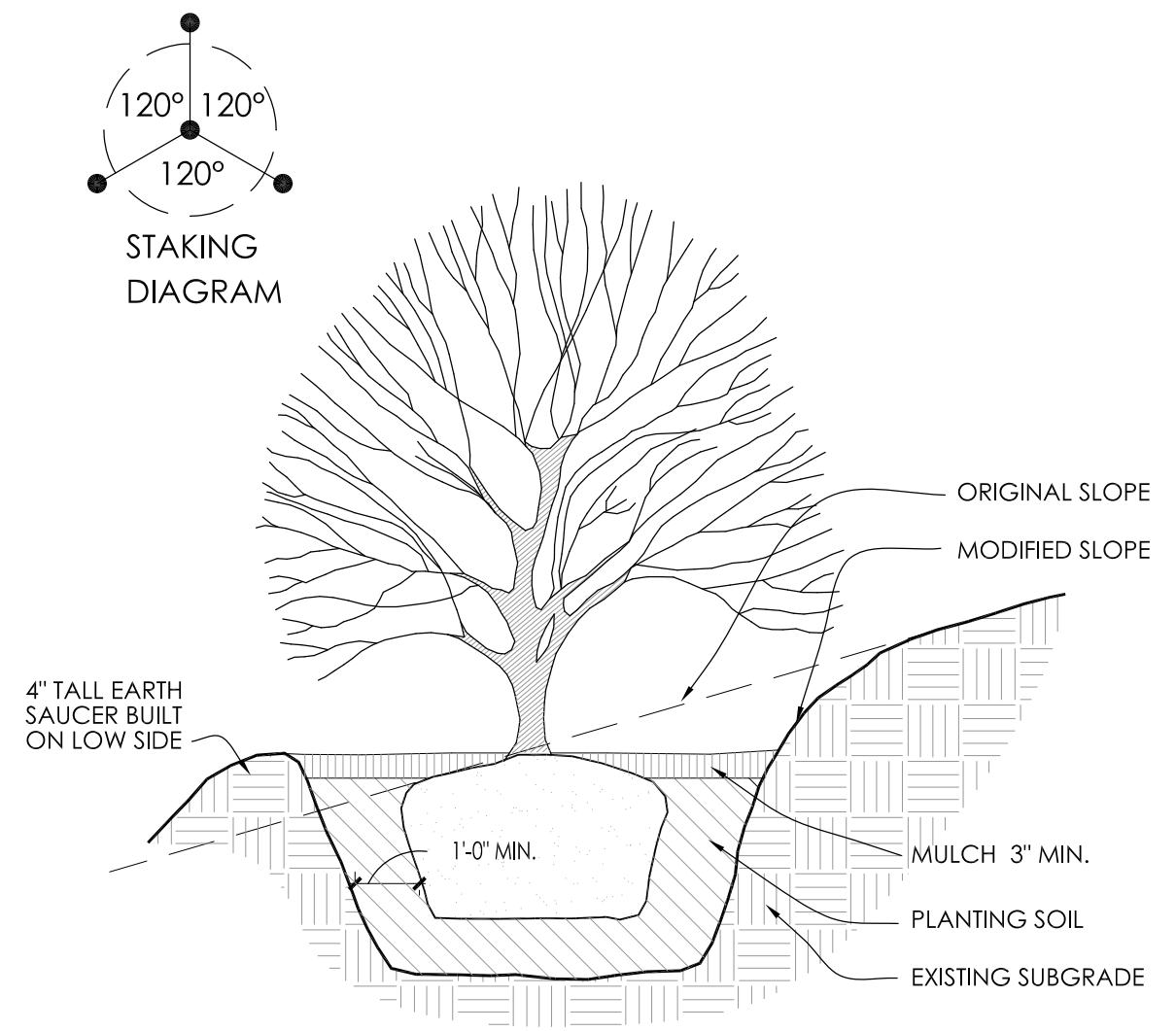
2 DECIDUOUS TREE STAKING PARKING ISLAND/RESTRICTED AREAS SCALE: NONE



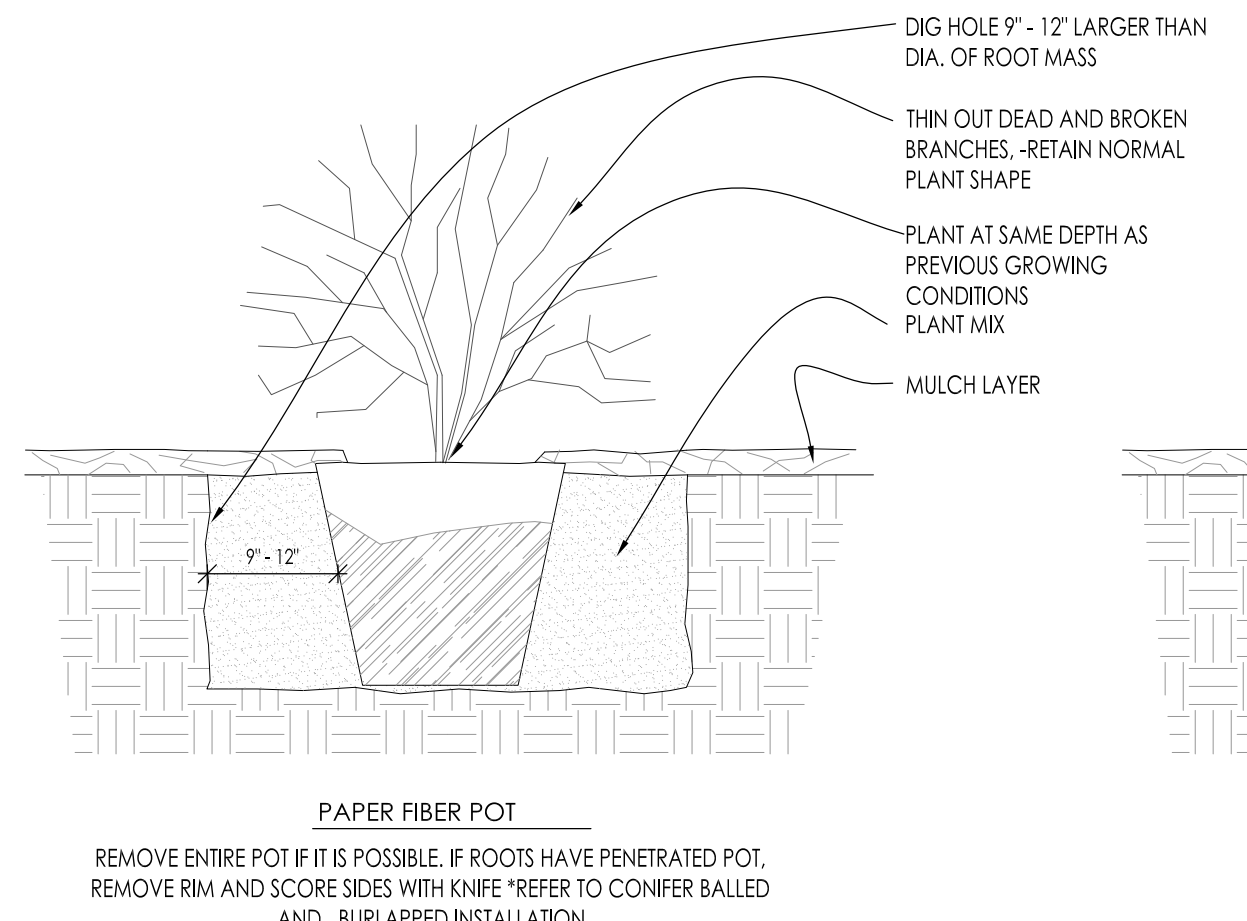
3 CONIFEROUS TREE PLANTING DETAIL SCALE: NONE



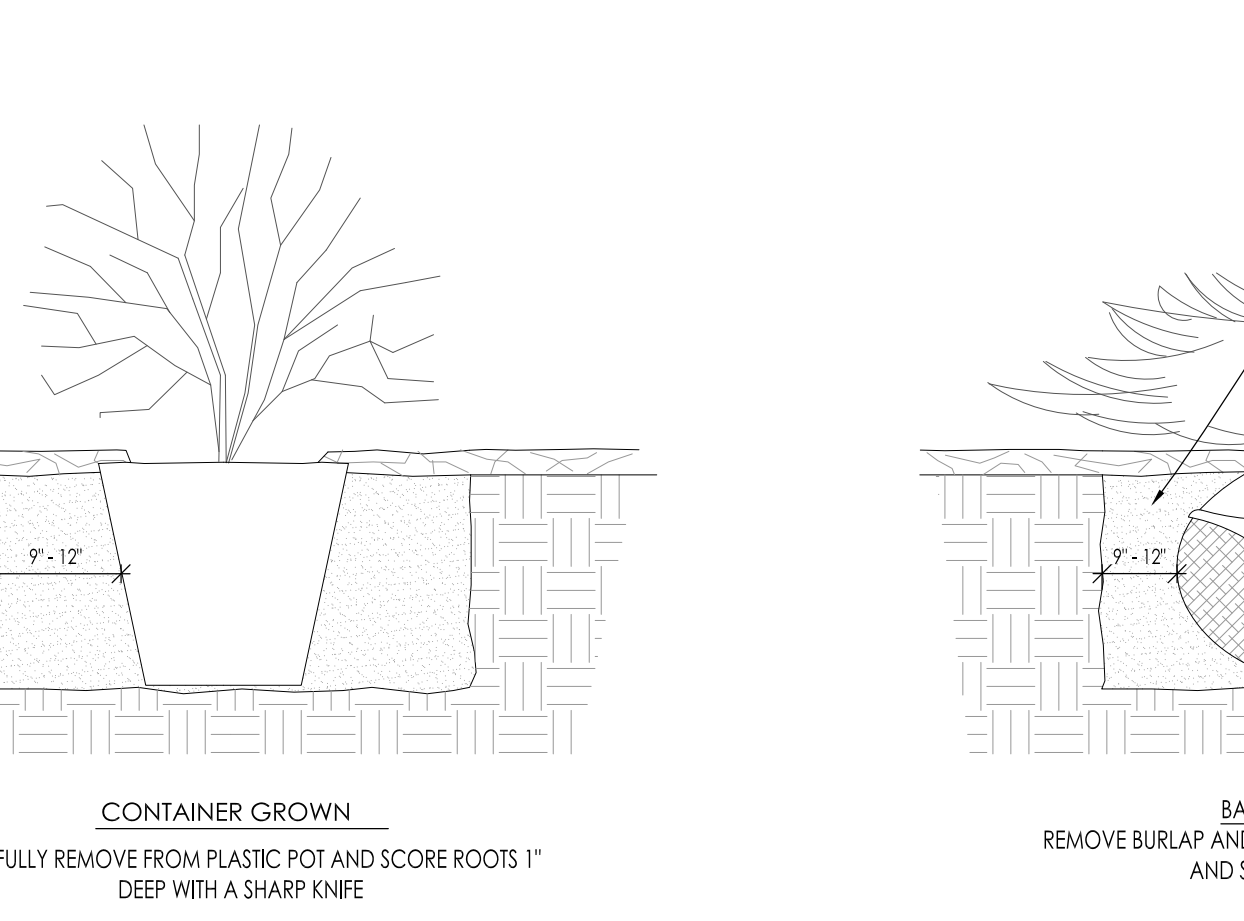
4 EXISTING TREE PROTECTION DETAIL SCALE: NONE



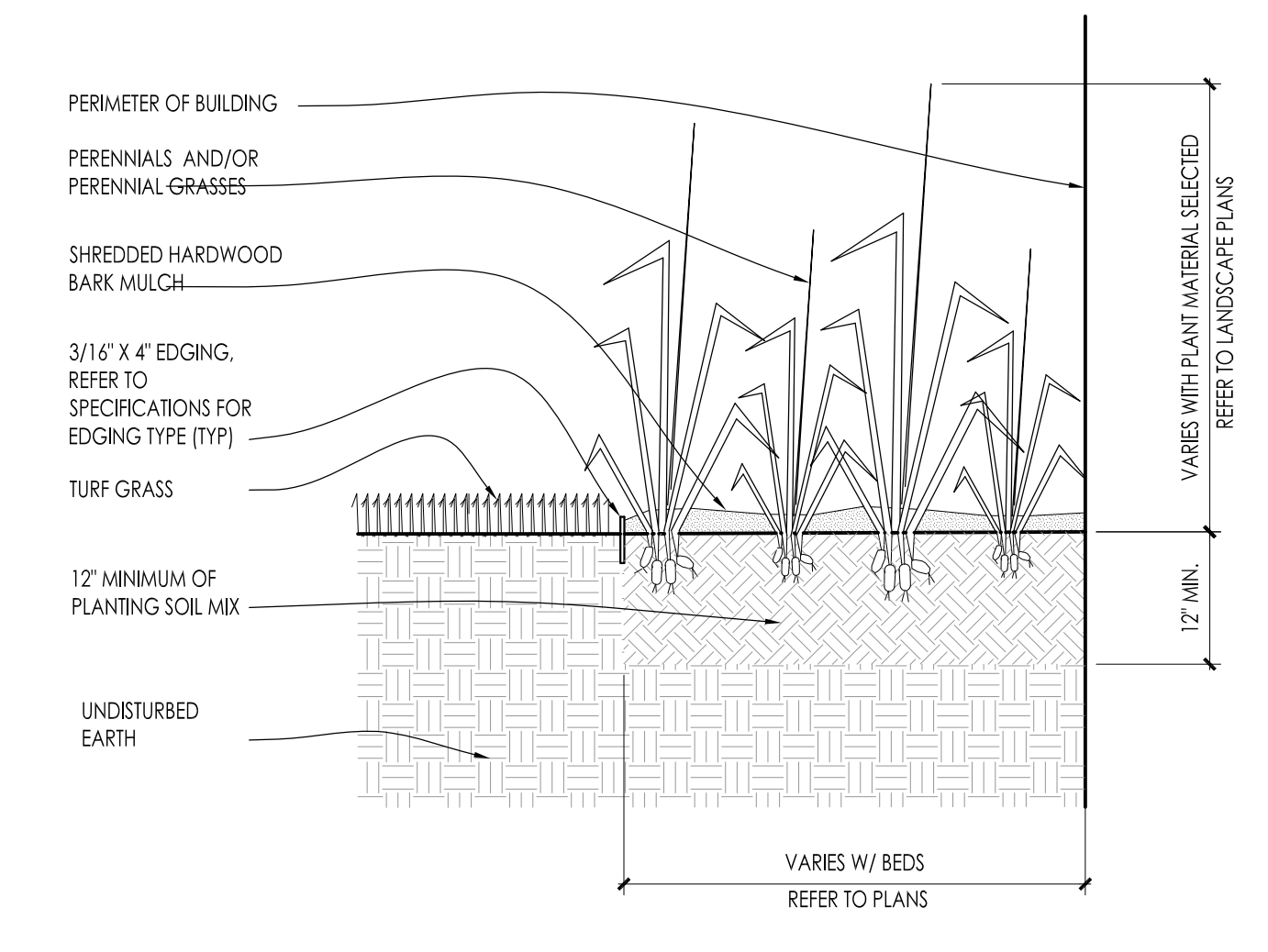
5 SLOPE PLANTING DETAIL SCALE: NONE



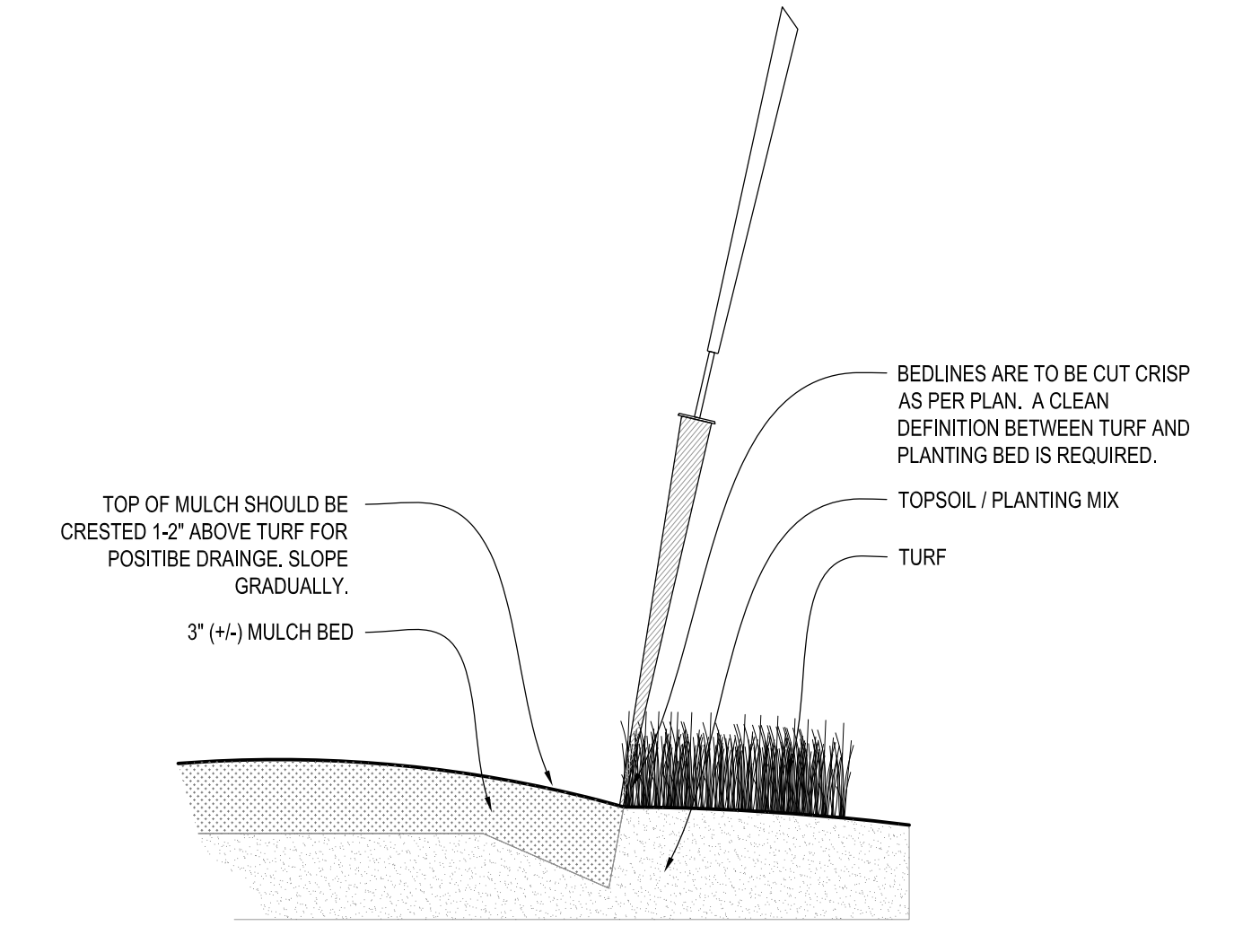
6 DECIDUOUS SHRUB PLANTING DETAIL SCALE: NONE



7 CONIFEROUS SHRUB PLANTING DETAIL SCALE: NONE



8 PERENNIAL BED PLANTING DETAIL SCALE: NONE



9 SPADE EDGE PLANT BED EDGE DETAIL SCALE: NONE

Issuance and Revisions:

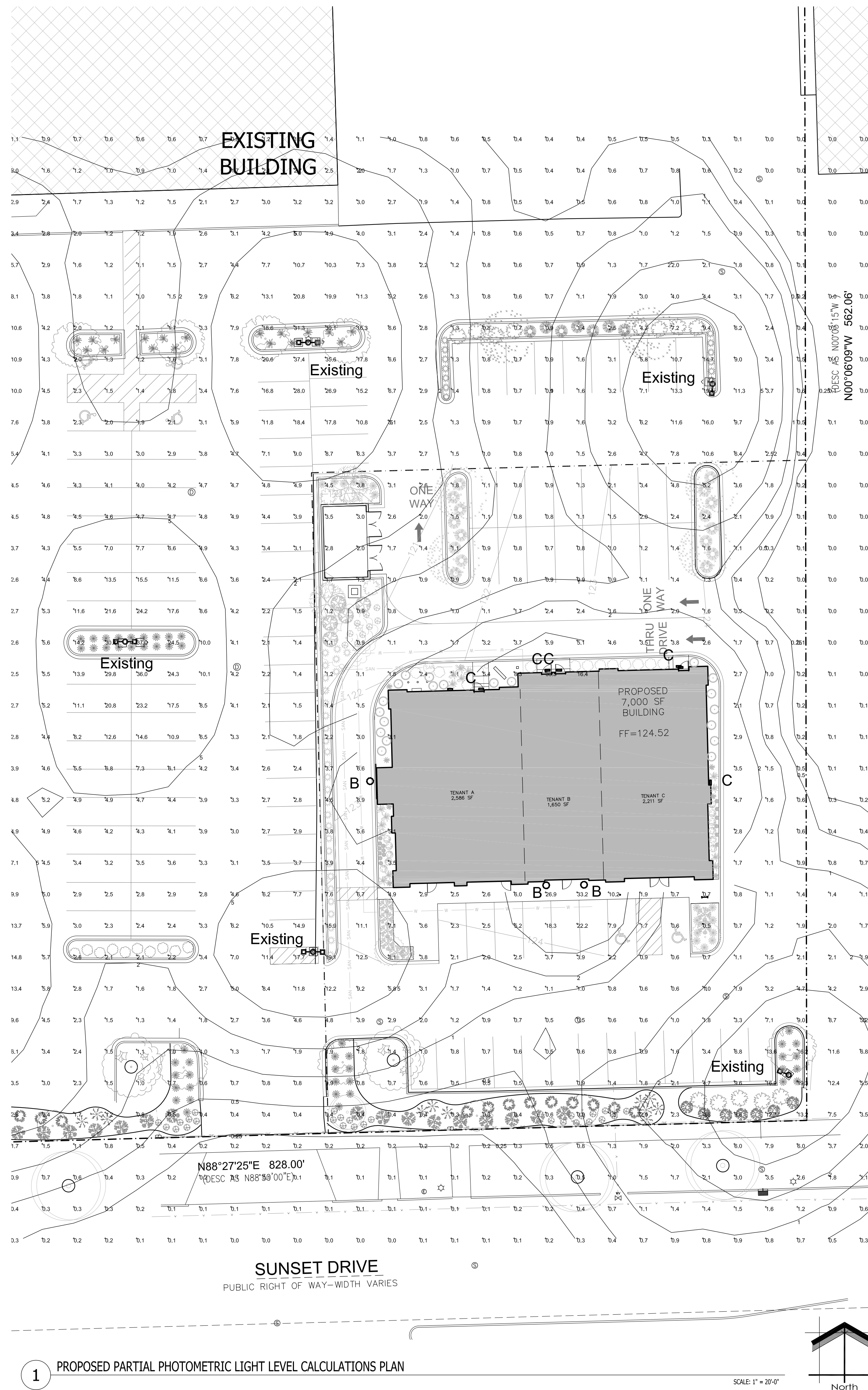
Date	Number	Description
05/11/16		Plan Commission Submittal
06/17/16		Revisions Based on Site Changes

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Sheet Title:  
PROPOSED LANDSCAPE PLAN,  
PLANTING DETAILS

Date of Drawing: 06/17/16  
Scale: As Noted  
Drawn By: MCD  
Job Number: L16-024 (12-569)  
Sheet Number:

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LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	B	3	SOV-RD-175-PSMV-C73	SOVEREIGN SERIES CANOPY FIXTURE TYPE V 175 w PULSE START METAL HALIDE LAMP & A DIFFUSED FLAT TEMPERED LENS AND A TAMPER PROOF HARDWARE (COLOR TO BE DETERMINED)	1- 175W PSMV CLEAR BU	SOV-RD-175-PSMV-C73.lvs	17500	1.00	208
	C	5	CHWS-FT-100-MH-F	CHALLENGER WALL SCONCE SERIES MEDIUM TYPE III FORWARD THROUGH w/ 100 W PSMV & FLAT CLEAR TEMPERED GLASS LENS w/ DIFFUSING REFLECTOR & DARK-SKY COMPLIANT HARDWARE HOUSE SIDE SHIELDING IN A BLACK FINISH AND AN OPTIONAL PHOTOCELL CONTROL	1- 100W PSMV CLEAR	CHWS-FT-100-MH-F.lvs	9000	1.00	129

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #2	+	2.6 fc	47.5 fc	0.0 fc	N / A	N / A

EXISTING POLE MOUNTED FIXTURES IN THE PARKING LOT FIELD ARE SHOW FOR REFERENCE.

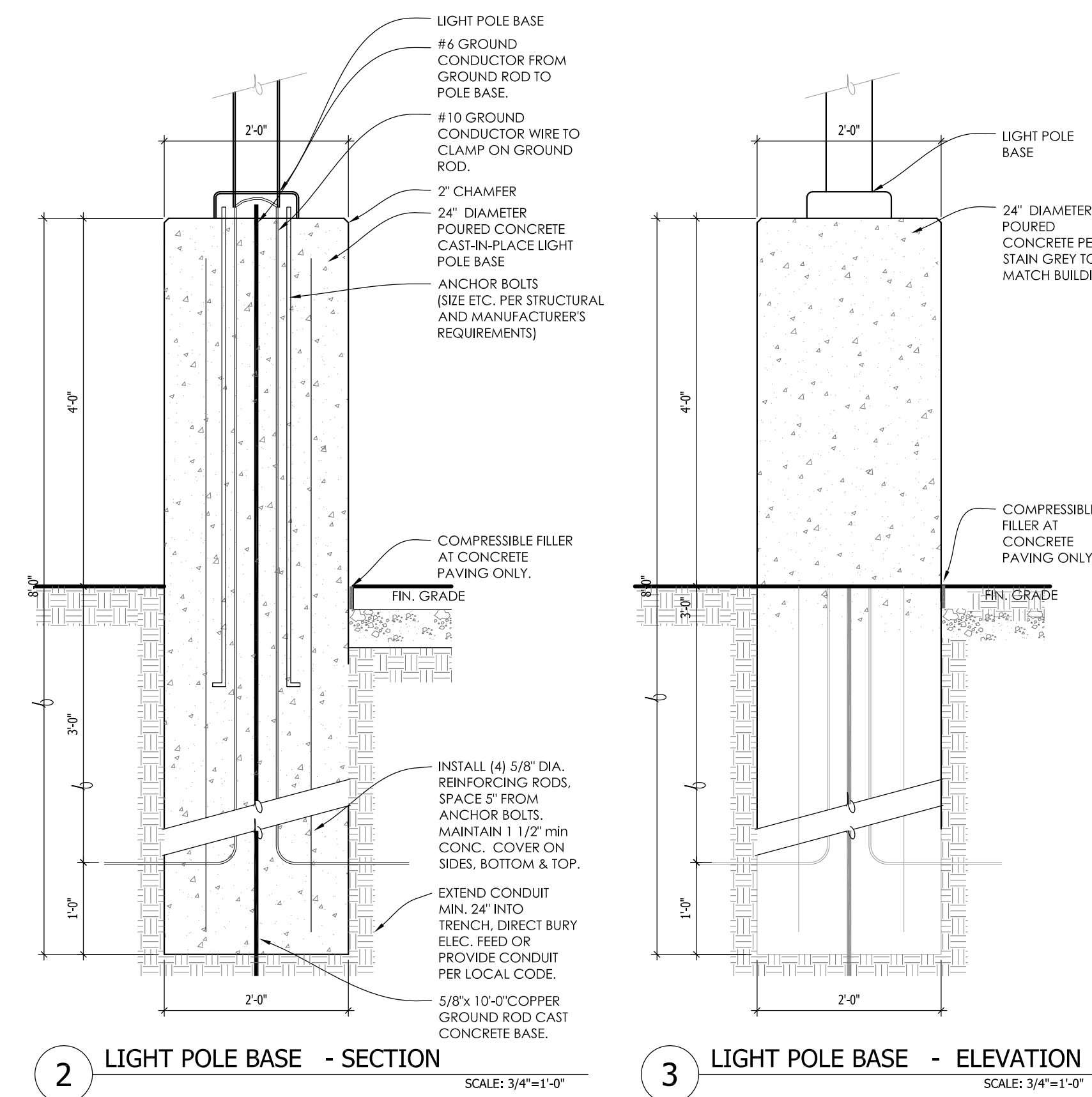
THIS LIGHTING PLAN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH THE ILLUMINATING ENGINEERING SOCIETY (IES) APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO CHANGES IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS/LED'S AND OTHER MAY VARY DUE TO CHANGES IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS/LED'S AND OTHER VARIABLE FIELD CONDITIONS. CALCULATIONS DO NOT INCLUDE OBSTRUCTIONS SUCH AS BUILDINGS CURBS, LANDSCAPING, OR ANY OTHER ARCHITECTURAL ELEMENTS UNLESS NOTED.

PHOTOMETRIC GENERAL NOTES:

1. BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POLE PLACEMENTS AND LUMINAIRE ORIENTATION. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO RELEVANT FIELD CONDITIONS.
2. THE DEPICTED ILLUMINATION RESULTS ARE BASED UPON ILLUMINATION MEASUREMENTS AS CALCULATED BY AN INDEPENDENT LABORATORY. LUMINAIRE CHARACTERISTIC DATA WAS MEASURED UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH APPROVED ILLUMINATION ENGINEERING SOCIETY METHODS. ACTUAL ON-SITE PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY FROM LABORATORY TEST RESULTS DUE TO VARIATIONS IN: ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.
3. IF EXISTING LUMINAIRE ARE INCLUDED IN THIS REPORT, THEIR ILLUMINATION CHARACTERISTICS ARE BASED UPON A COMBINATIONS OF CUSTOMER'S PROVIDED SPECIFICATIONS & OUR BEST ESTIMATIONS.

EXISTING CONDITIONS GENERAL NOTES:

1. INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE ARCHITECTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. INSITE LANDSCAPE DESIGN, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THEIR NEW WORK. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ALIGNMENT OF WALLS. BRING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO FABRICATION / CONSTRUCTION BEGINS.
3. VERIFY LOCATION OF ACCESS PANELS w/ MECHANICAL AND ELECTRICAL EQUIPEMENT FOR ACCESSIBILITY OF MECHANICAL & ELECTRICAL ITEMS.



2 LIGHT POLE BASE - SECTION

3 LIGHT POLE BASE - ELEVATION

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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Wauwatosa, WI 53226  
Tel (414) 476-1204  
www.insitelandscapedesign.com  
mdavis@insitelandscapedesign.com

Project:

**SUNSET REDEVELOPMENT**

120 E. Sunset Drive  
Waukesha, WI

Issuance and Revisions:

Date	Number	Description
05/11/16		Plan Commission Submittal
06/17/16		Revisions Based on Site Changes

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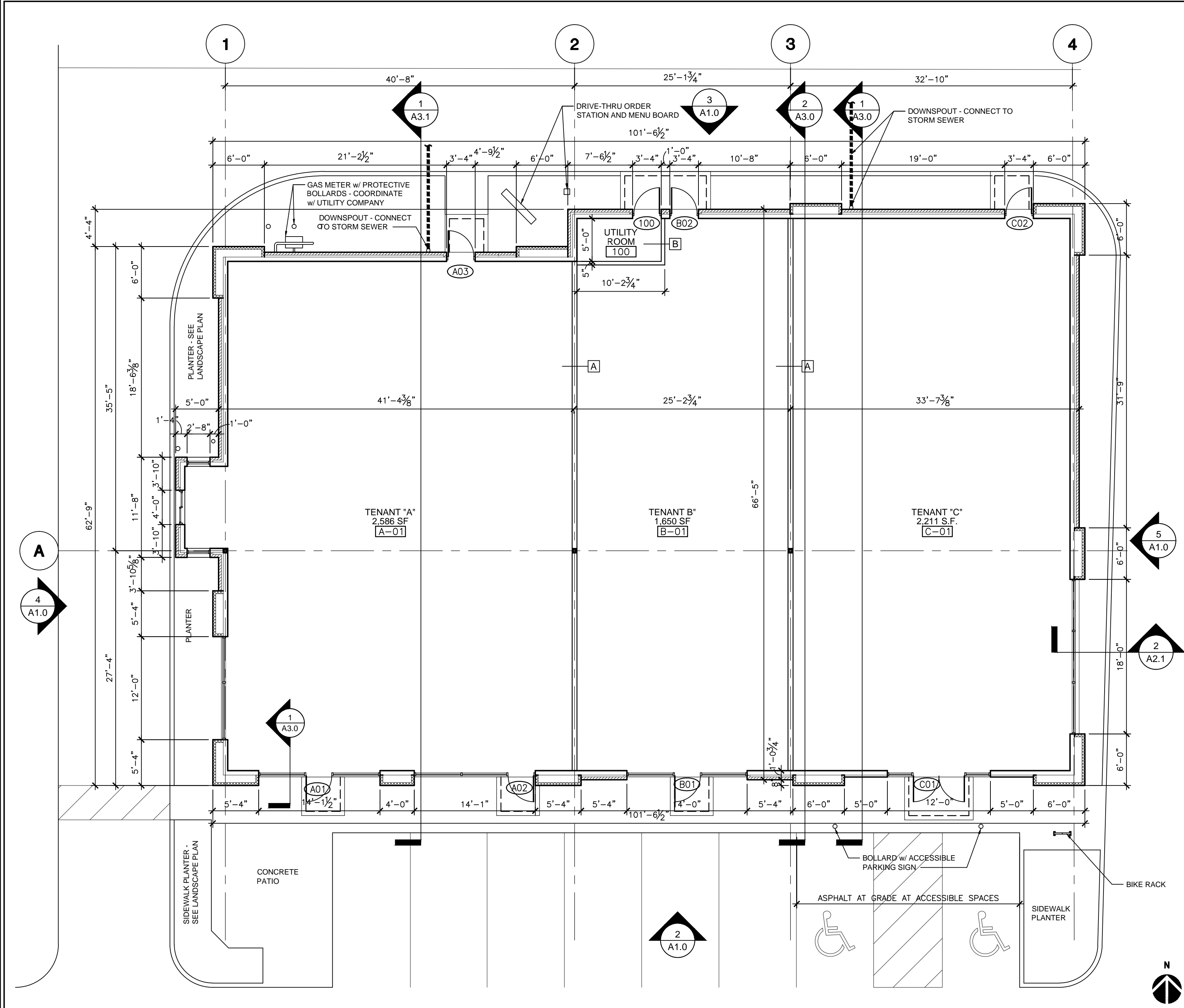
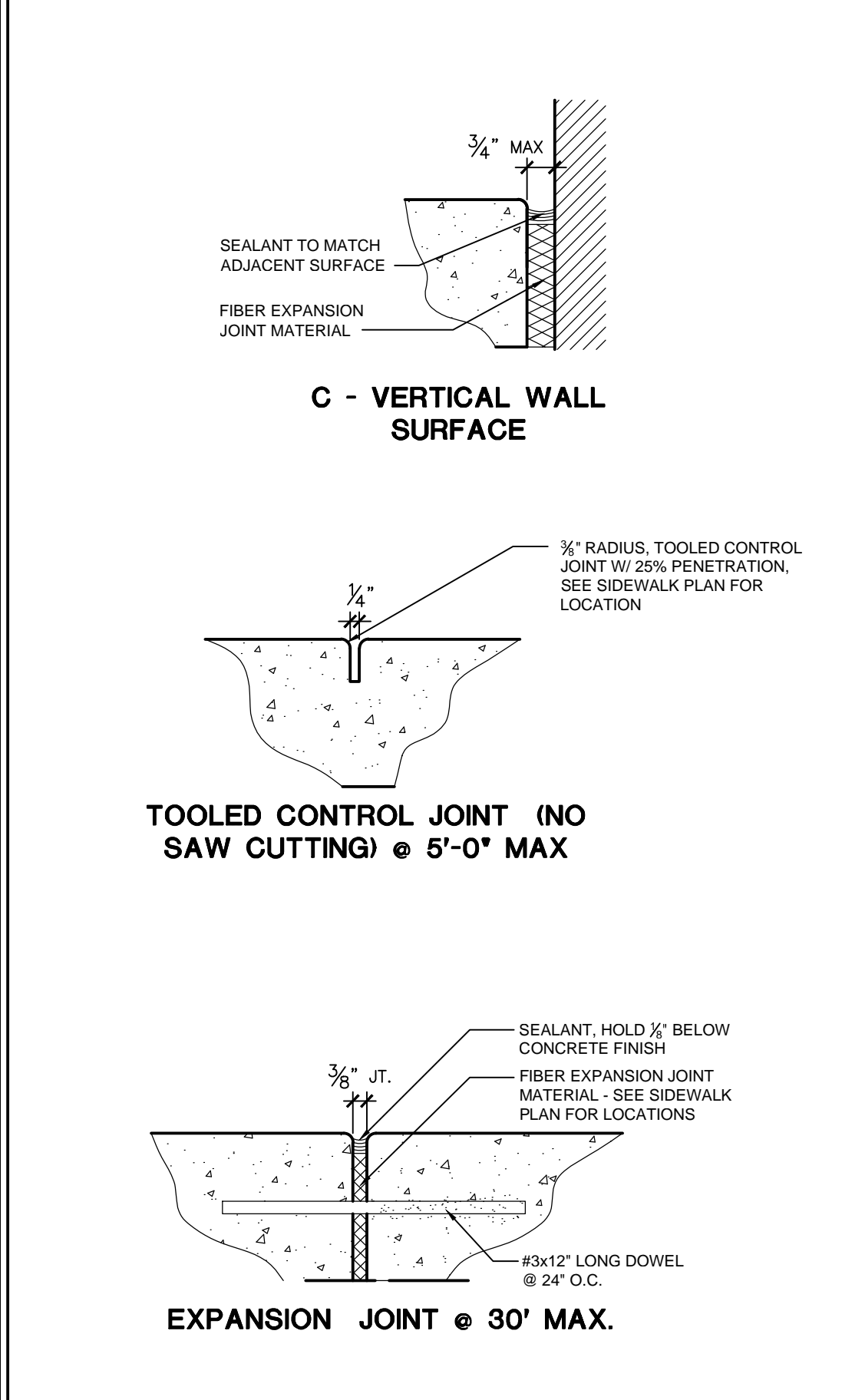
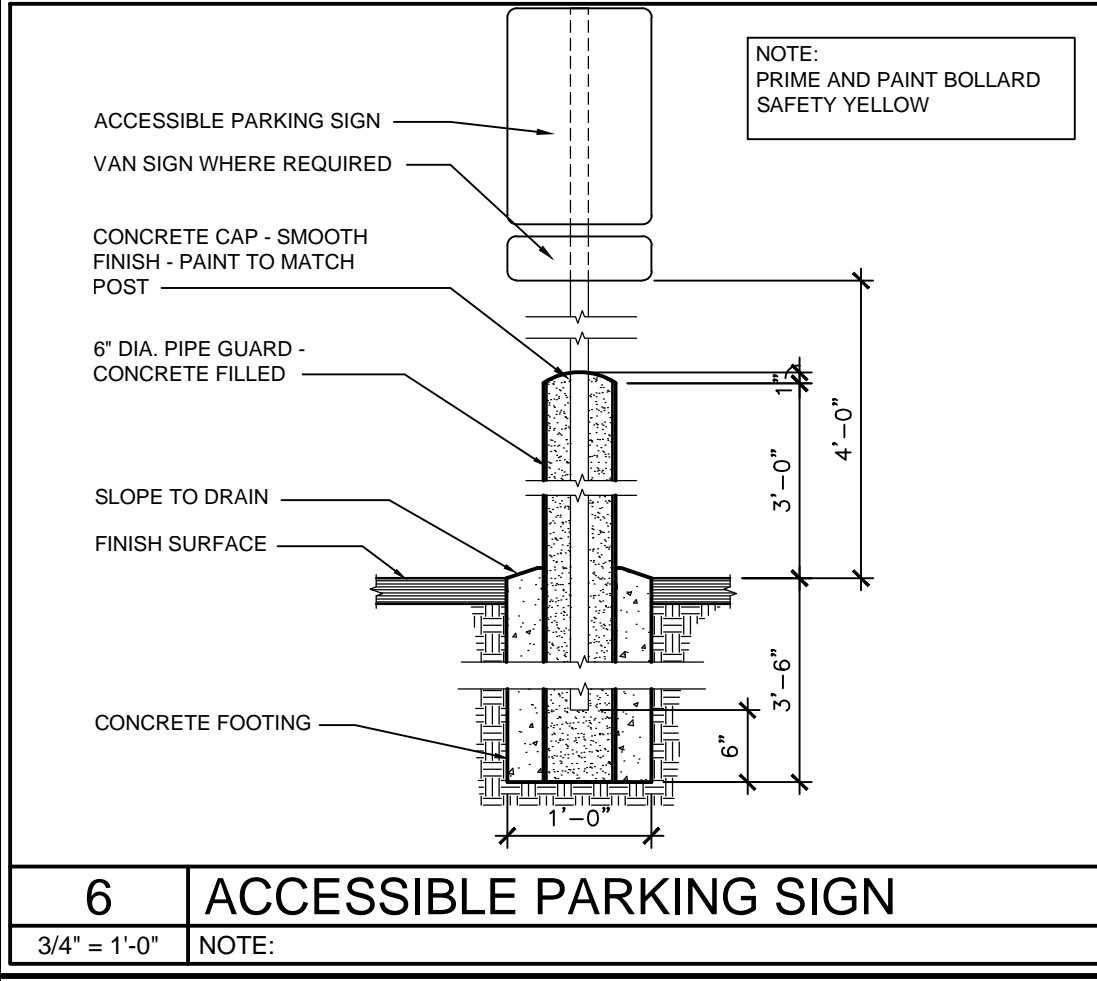
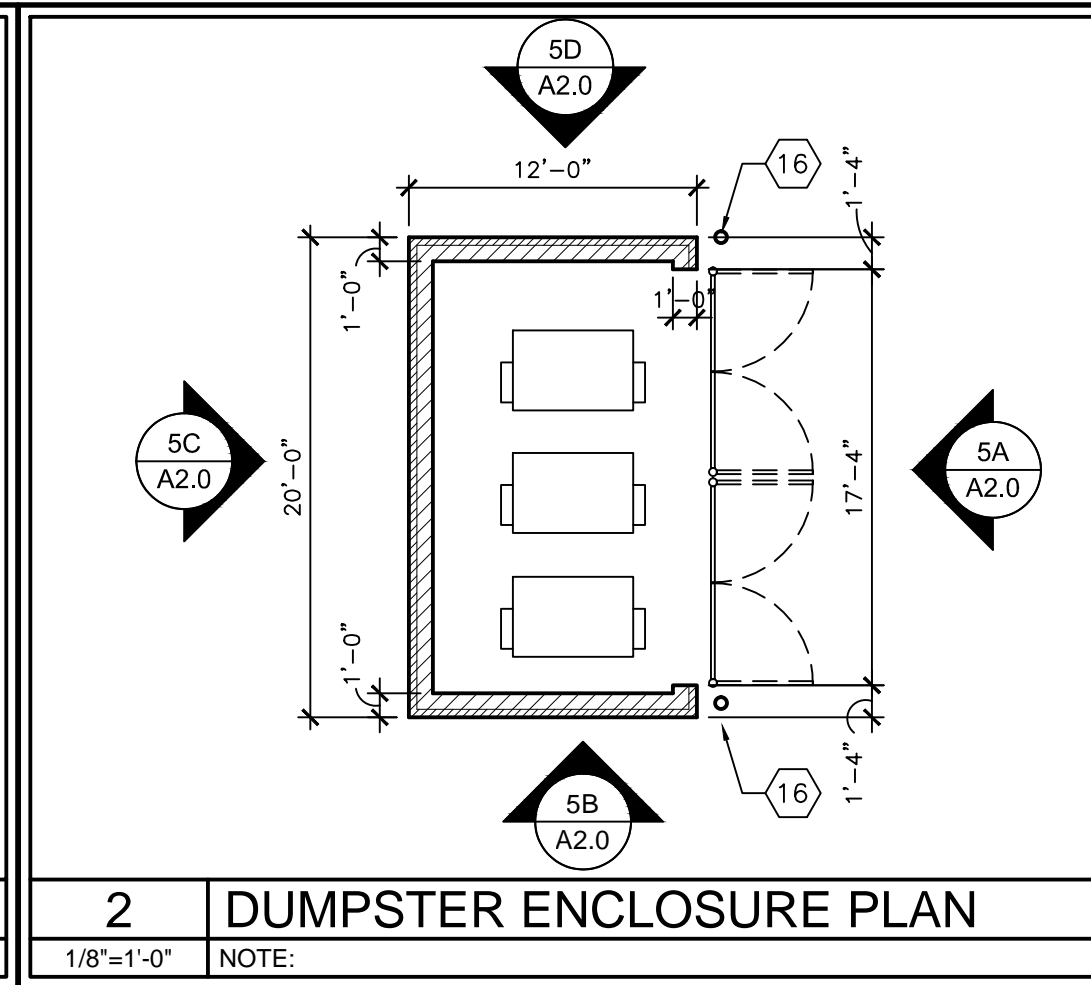
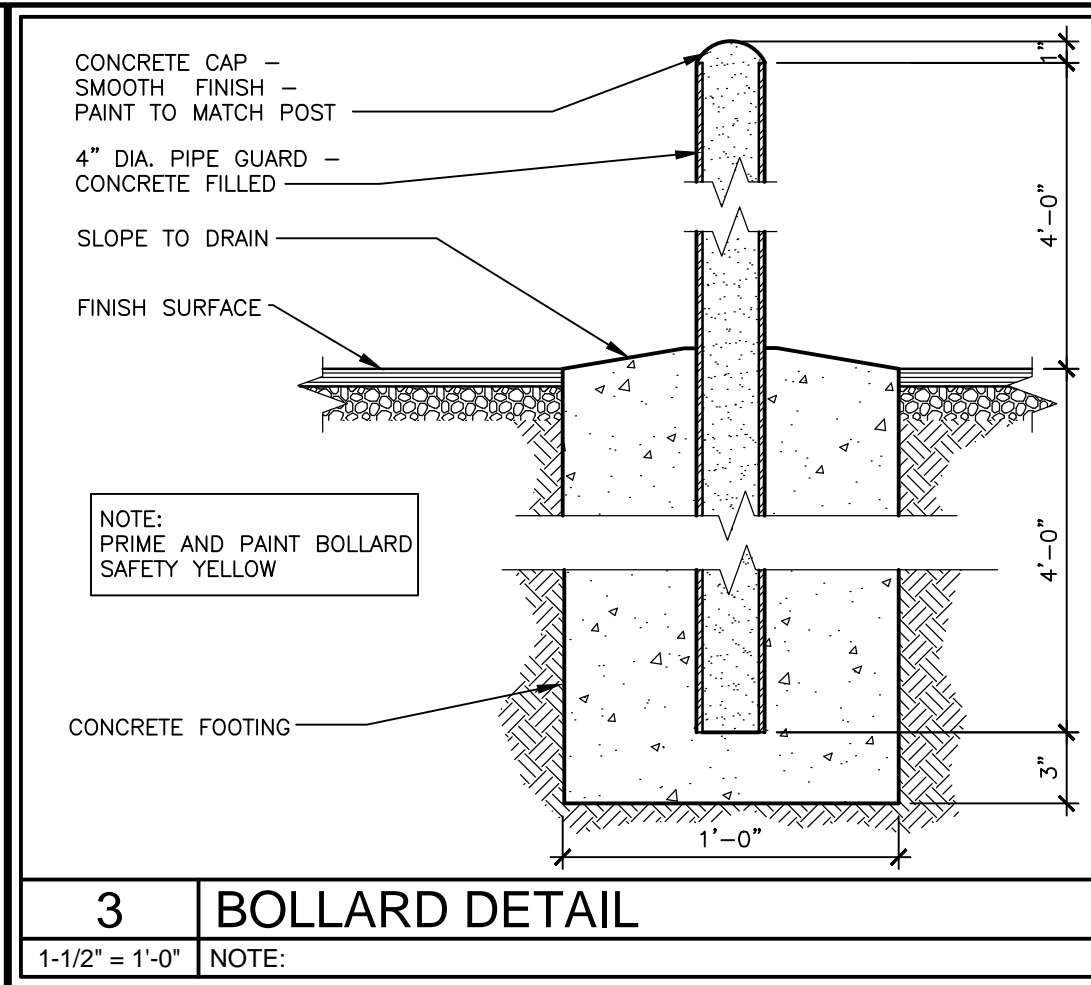
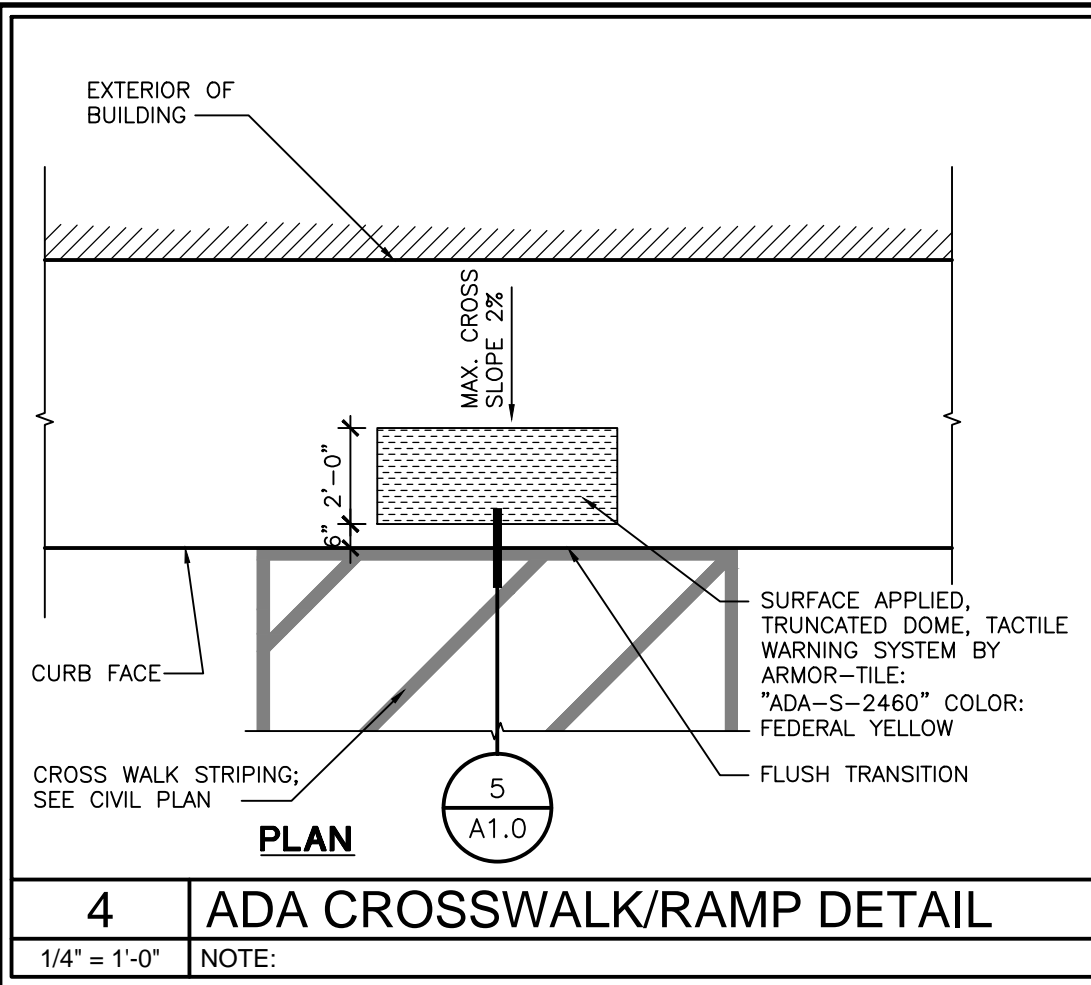
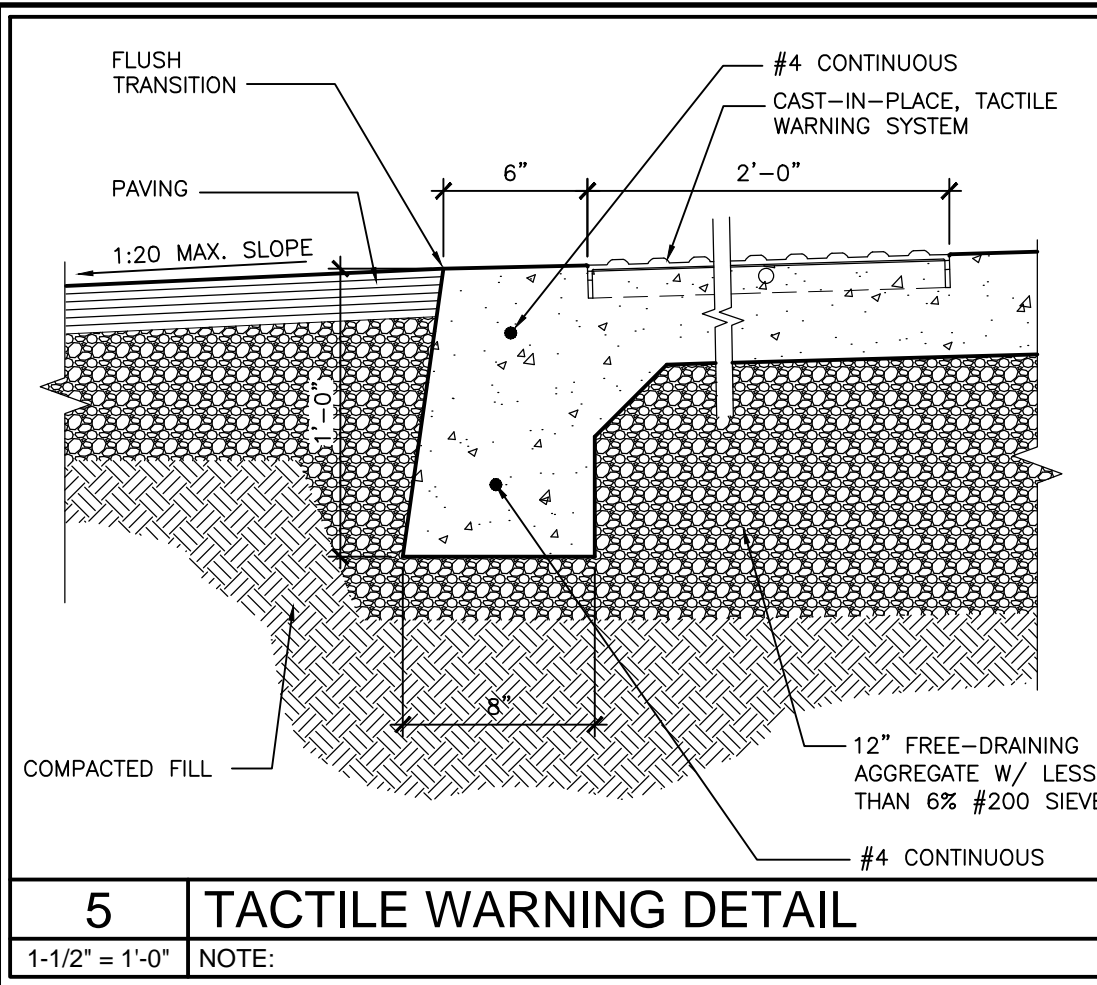
Sheet Title:

PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVEL CALCULATIONS PLAN, GENERAL NOTES, AND FIXTURE TABLE

Date of Drawing: 06/17/16  
Scale: 1" = 20'-0"  
Drawn By: MCD  
Job Number: L16-024  
Sheet Number: (12/50)

**PHO1.1**

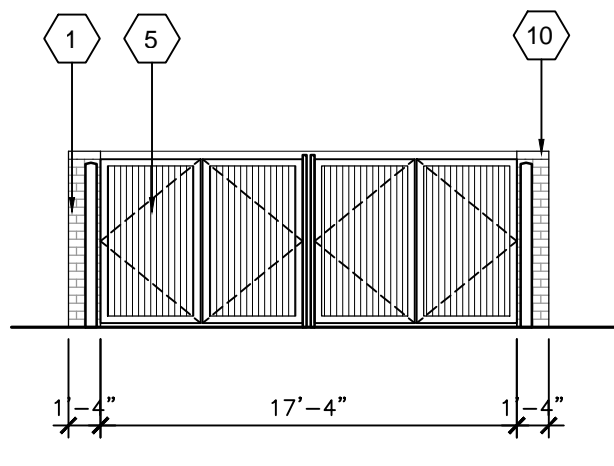
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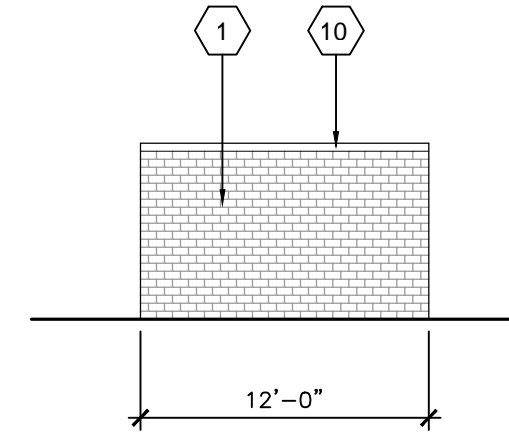
NO.	DATE	BY	DESCRIPTION
△	05/09/16	JMS	SUBMITTED FOR PRELIMINARY P.C.
△	06/20/16	JMS	REVISED PER PC COMMENTS
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△			

**ELEVATION MATERIAL KEYNOTES**

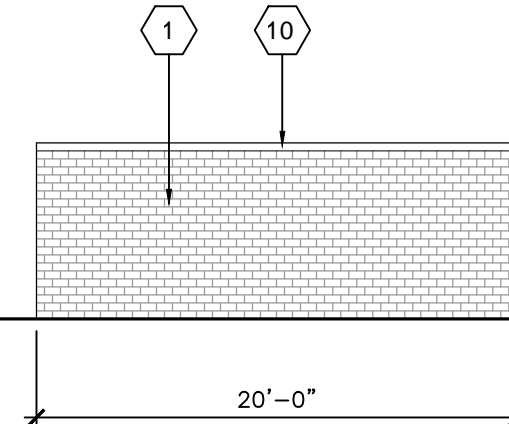
- 1 UTILITY SIZE BRICK - HEBRON BRICK COMPANY; COLOR SEA GREY #6
- 2 FIBER CEMENT PANELS - NICHHA ARCHITECTURAL BLOCK; COLOR - MOCHA
- 3 ALUMINUM STORE FRONT & GLAZING SYSTEM - BLACK ANODIZED ALUMINUM w/ 1" LOW-E, CLEAR, INSULATED GLAZING
- 4 METAL TRIM - COPING, COLOR CHARCOAL GREY
- 5 CORRUGATED METAL PANEL - GALVALUME FINISH
- 6 METAL CANOPY/FASCIA, COLOR CHARCOAL GREY
- 7 H.M. INSULATED DOOR, PAINT TO MATCH ADJACENT BUILDING MATERIAL
- 8 EXTERIOR LIGHT FIXTURE, CUT-OFF TYPE WALL PACK
- 9 ROOF LINE BEYOND
- 10 PRE-FINISHED METAL COPING - COLOR SIERRA TAN
- 11A DRYVIT EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.)/FINISH - SANDPEBBLE; COLOR - MONTASTERY BROWN
- 11B DRYVIT EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.)/FINISH - SANDPEBBLE; COLOR - WHOLE WHEAT
- 12 CULTURED STONE - BOULDER CREEK STONE, LONG ISLAND STAK, WOODBRIDGE #56390-09
- 13 DECORATIVE WALL SCIENCE, HUBBARTON FORGE #30584 BANDED, 15 OPAQUE BRONZE FINISH, H STONE GLASS SHADE
- 14 WOOD GRAIN, STAINABLE STEEL DOOR w/ FULL GLASS LITE BY STEELCRAFT
- 15 SUNBRELLA FABRIC AWNING ON ALUMINUM FRAME; COLOR - COCOA



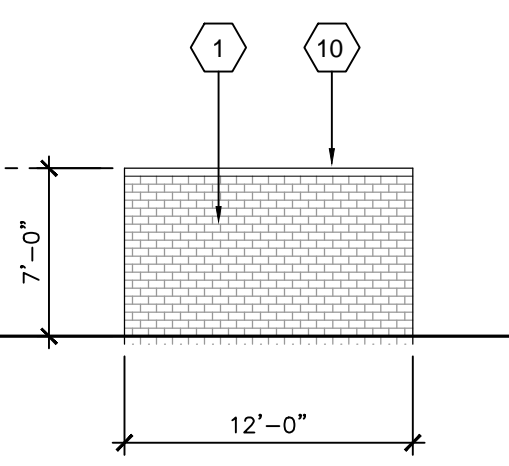
"A" - EAST ELEVATION



"B" - SOUTH ELEVATION

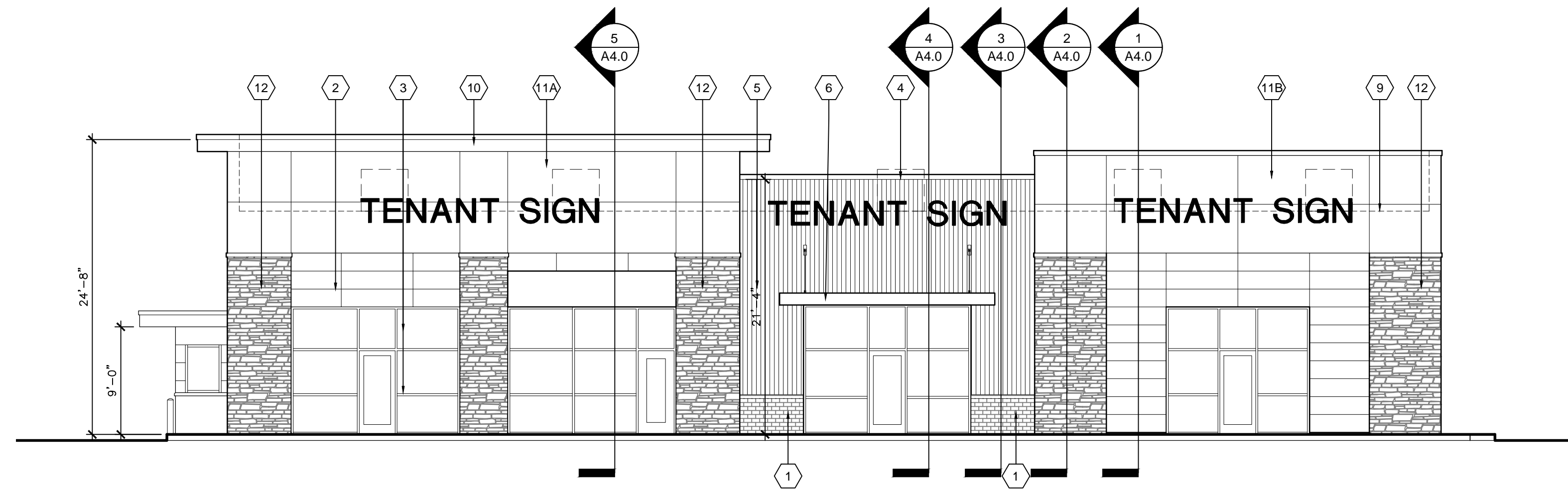


"C" - WEST ELEVATION



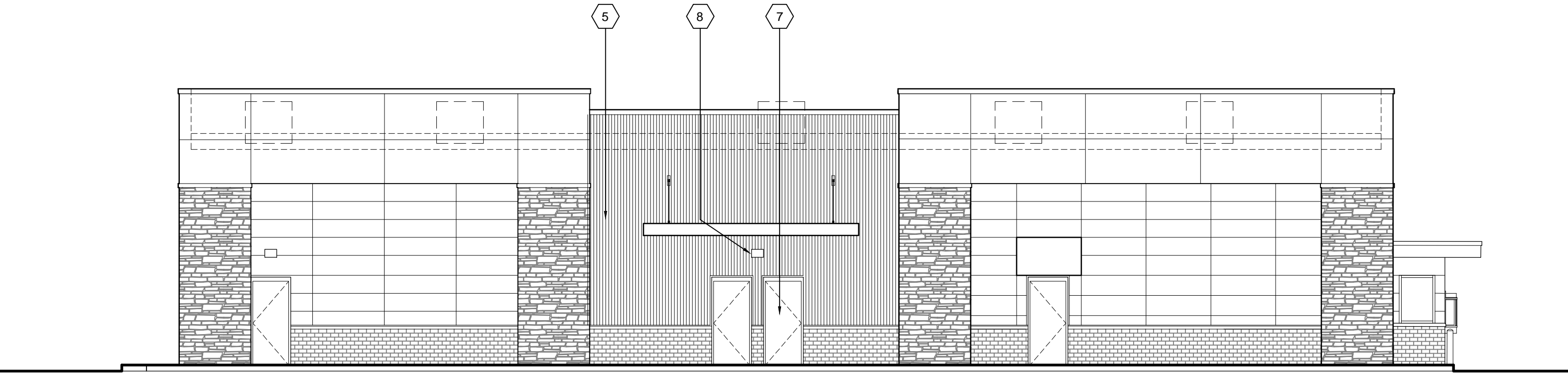
"D" - NORTH ELEVATION

TOP OF MASONRY  
EL = 107'-0"



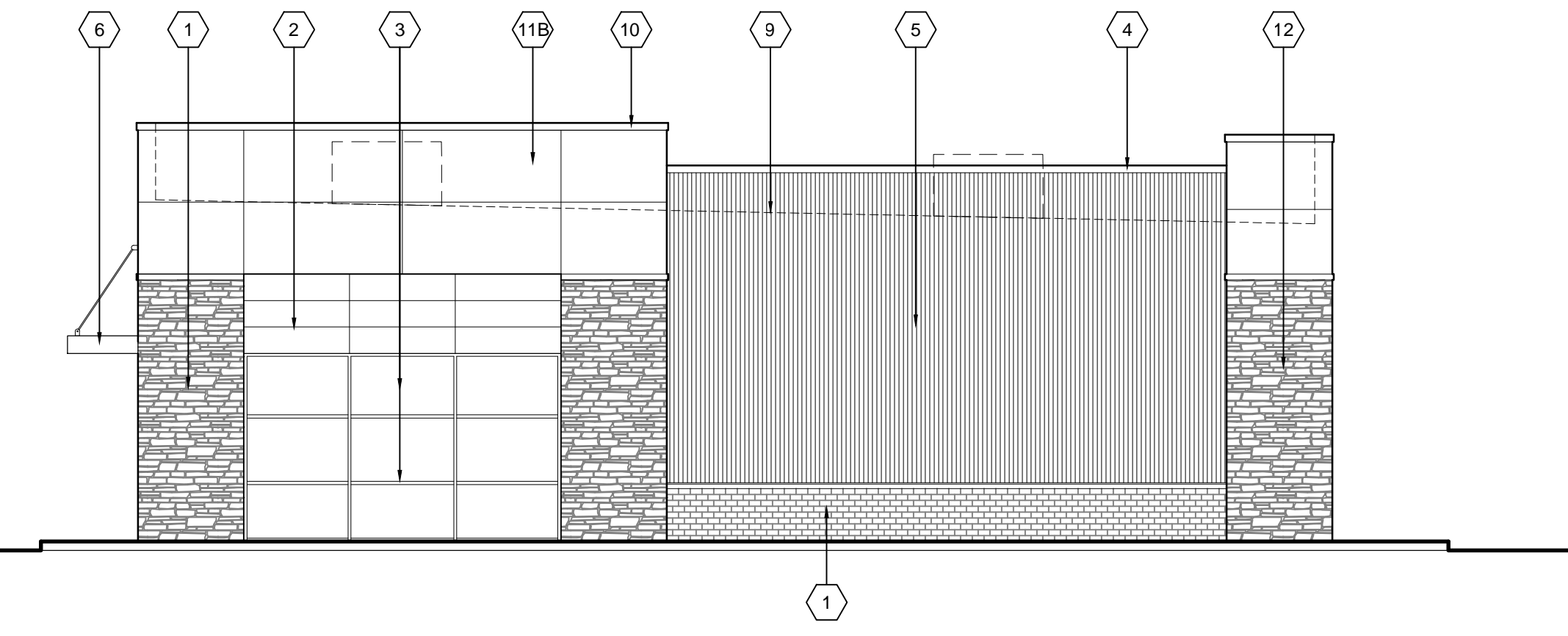
**1 SOUTH ELEVATION**

1/8"=1'-0" NOTE:



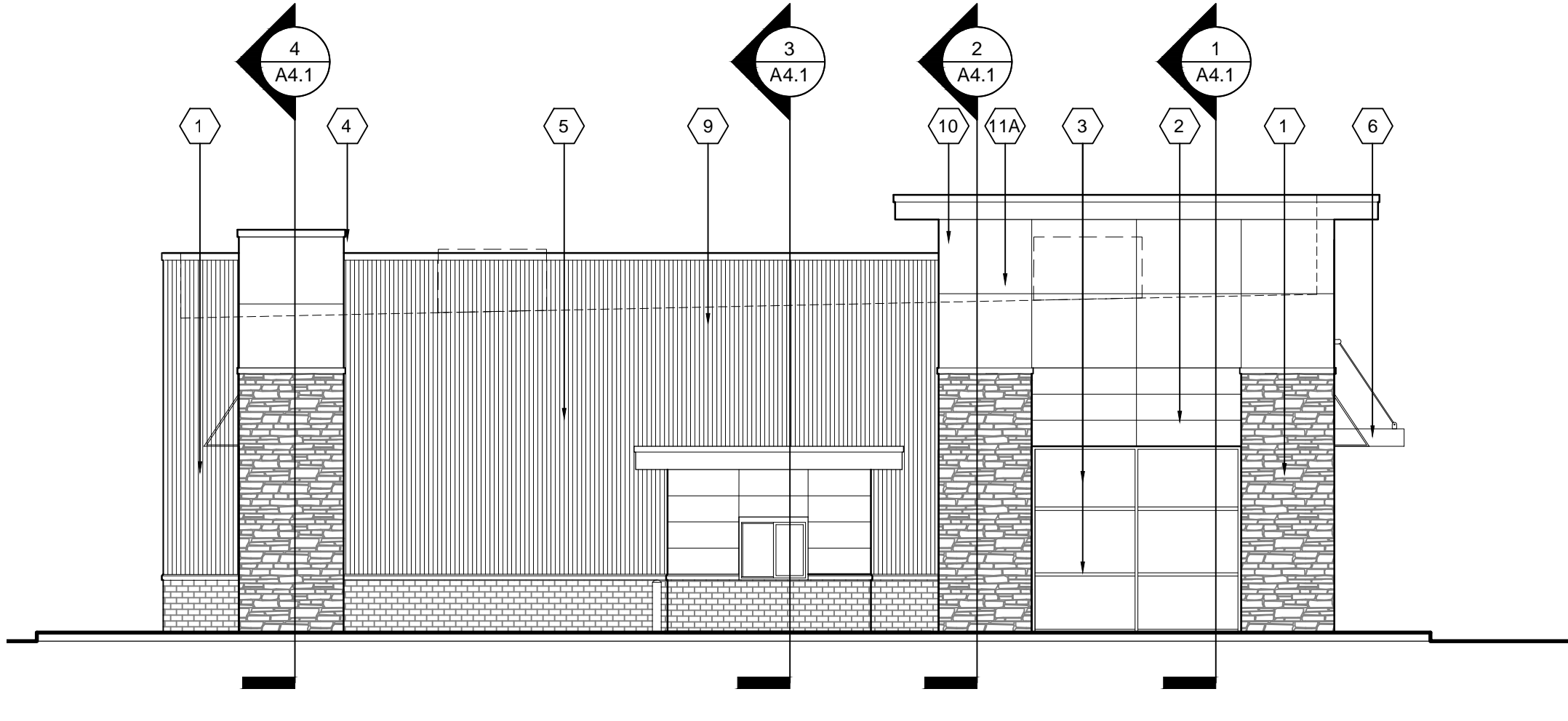
**2 NORTH ELEVATION**

1/8"=1'-0" NOTE:



**4 EAST ELEVATION**

1/8"=1'-0" NOTE:



**3 WEST ELEVATION**

1/8"=1'-0" NOTE:

**5 DUMPSTER ENCLOSURE**

1/8"=1'-0" NOTE:

NO.	DATE	BY	DESCRIPTION
△	06/20/16	JMS	REVISED PER PC COMMENTS
△			
△			
△			
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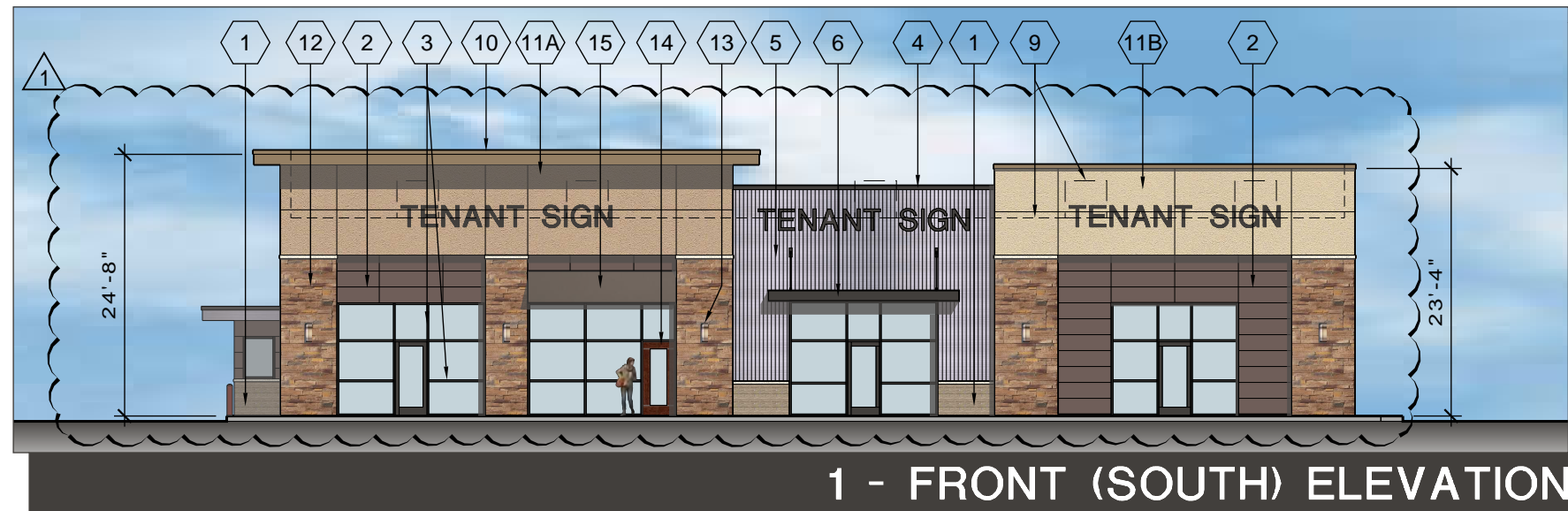
**EXTERIOR ELEVATIONS**

SCALE: SHEET:  
PROJECT #: 1607  
DRWN BY: JMS CHKD BY: JMS  
DATE: 06/22/16

**A2.0**

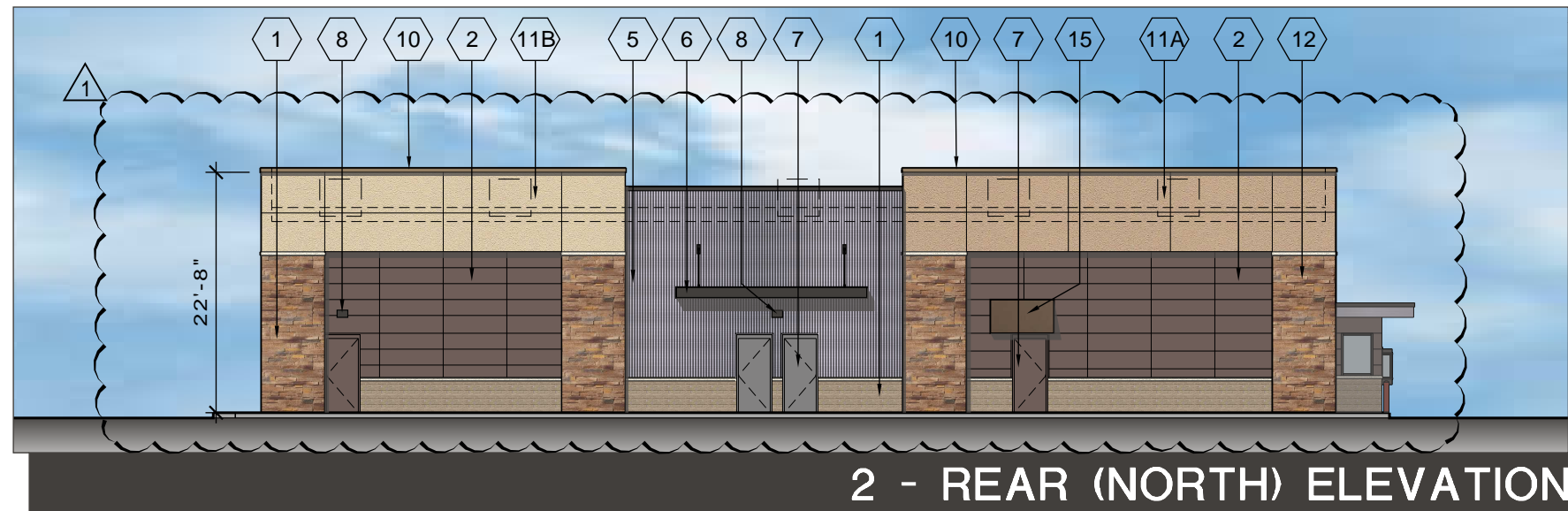
- 1 UTILITY SIZE BRICK - HEBRON BRICK COMPANY; COLOR SEA GREY #6
- 2 FIBER CEMENT PANELS - NICHHA ARCHITECTURAL BLOCK. COLOR - MOCHA
- 3 ALUMINUM STORE FRONT & GLAZING SYSTEM - BLACK ANODIZED ALUMINUM w/ 1" LOW-E, CLEAR, INSULATED GLAZING
- 4 METAL TRIM - COPING; COLOR CHARCOAL GREY
- 5 CORRUGATED METAL PANEL - GALVALUME FINISH
- 6 METAL CANOPY/FASCIA; COLOR CHARCOAL GREY
- 7 H.M. INSULATED DOOR, PAINT TO MATCH ADJACENT BUILDING MATERIAL
- 8 EXTERIOR LIGHT FIXTURE, CUT-OFF TYPE WALL PACK - PHILLIPS WTM-60W-LED, BLACK
- 9 ROOF LINE & RTU BEYOND
- 10 PRE-FINISHED METAL COPING & FASCIA - COLOR SIERRA TAN
- 11A DRYVIT EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.):FINISH - SANDPEBBLE; COLOR - MONTASTERY BROWN
- 11B DRYVIT EXTERIOR INSULATION FINISH SYSTEM (E.I.F.S.):FINISH - SANDPEBBLE; COLOR - WHOLE WHEAT
- 12 CULTURED STONE. BOULDER CREEK STONE, LONG ISLAND STAK, WOODBRIDGE #S6390-09
- 13 DECORATIVE WALL SCNCE. HUBBARTON FORGE #305894 BANDED, 15 OPAQUE BRONZE FINISH, H STONE GLASS SHADE.
- 14 WOOD GRAIN, STAINABLE STEEL DOOR w/ FULL GLASS LITE BY STEELCRAFT
- 15 SUNBRELLA FABRIC AWNING ON ALUMINUM FRAME; COLOR - COCOA

**NOTES & MATERIALS**



**1 - FRONT (SOUTH) ELEVATION**

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



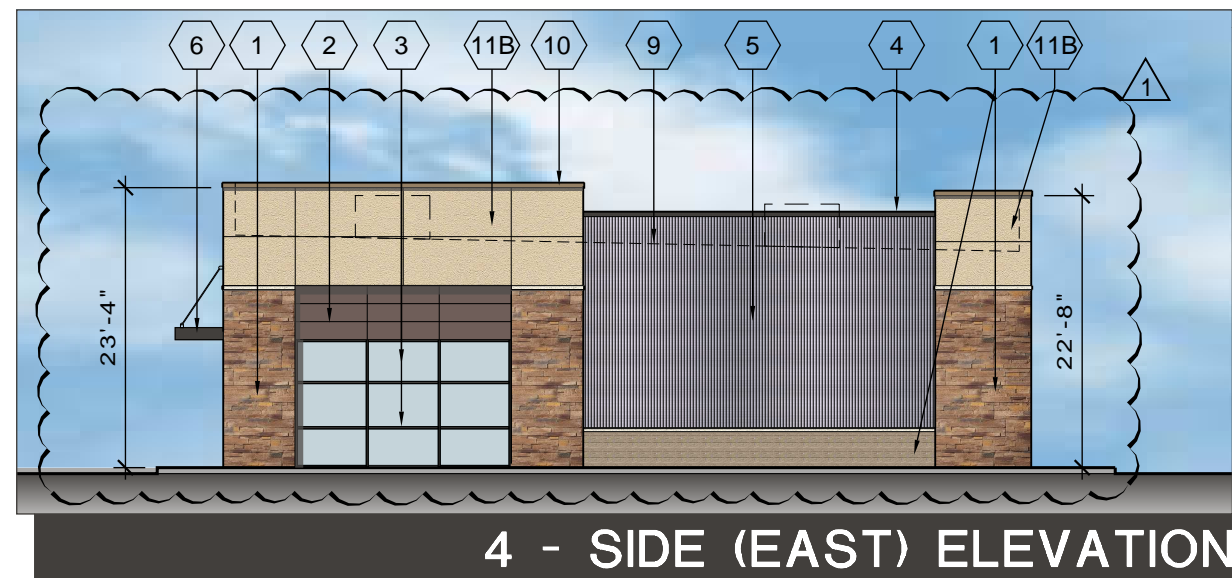
**2 - REAR (NORTH) ELEVATION**

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



**3 - SIDE (WEST) ELEVATION**

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



**4 - SIDE (EAST) ELEVATION**

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

REVISION	DATE
1	06-16-16

PROJECT NO. 1607  
DATE 05-31-16

SHEET **DE-2**

## PRODUCT SPECIFICATIONS



## Banded Large Outdoor Sconce

---

**Base Item #305894**

Item #305894D-05-H37

A clean, sleek design that evokes dreams of the Far East is the hallmark of our Banded Collection. True to the collection's name, two handcrafted metal bands, intersected by a bold, vertical bar, encircle the glass and fasten to an aluminum mounting plate.

**FINISH**

Bronze - 05

**GLASS**

Stone Glass (H)

**LAMPING**

LED

## SPECIFICATIONS

---

### Banded Large Outdoor Sconce

Base Item #: 305894

Item #: 305894D-05-H37

Outdoor sconces with glass options: Banded aluminum

- Handcrafted to order by skilled artisans in Vermont, USA
- Lifetime Limited Warranty when installed in residential setting

### Dimensions

Height	20.80"
Width	7.80"
Projection	6.50"
Backplate	7.80" x 20.80"
Vertical Mounting Height	10.40"
Packed Weight	13.00 lbs
Shipping (DIM) Weight	29.00 lbs

### LED Lamping Retrofit

LED: LED - GU24, 9.8W Bulb, 810lm (Bulb Incl)

CCT: 2700K

CRI: Min 80

Dimming: Yes

Voltage: 120V

### Location Rating

Outdoor Wet

### Safety Rating

UL, CUL listed

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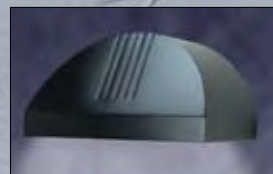
Copyright © 2016 Hubbardton Forge. All Rights Reserved.  
800-826-4766 | <http://www.hubbardtonforge.com>

**lsi**  
Lighting Solutions *plus*



## **THE CHALLENGER<sup>®</sup> WALL SCONCE SERIES**

*Small and Medium  
Available in HID and  
Compact Fluorescent*





## THE CHALLENGER® WALL SCONCE SERIES – AN INTEGRAL COMPONENT OF YOUR ARCHITECTURAL DESIGN

Indoor or outdoor. General illumination, focused accent spotlighting, or a simple extension of your architectural statement. The Challenger Wall Sconce Series combines versatility and performance with sleek, aerodynamic styling for the perfect complement to your architectural experience.

Featuring simplified access, a horizontal lamp orientation, a flat lens, and a choice of high-performance reflector options and light sources, the Challenger Wall Sconce is extremely efficient and easy to maintain.

In addition, the Challenger Wall Sconce comes fully assembled for quick and easy installation. With smooth lines, refined curves, a choice of two sizes, and six standard finish colors, the Challenger Wall Sconce blends smoothly into any design environment for enhanced architectural appeal.

*Downlight mounting is available for indoor and outdoor applications.*



Medium fixture (shown)

*Uplight mounting is available for indoor or under canopy applications only.*



Small fixture (shown)



### HIGH-PERFORMANCE HORIZONTAL BURN

Where strict zoning requirements are encountered, the environmentally friendly Challenger Wall Sconce downlight offers full cut-off lighting distribution as defined by the IESNA (Illuminating Engineering Society)



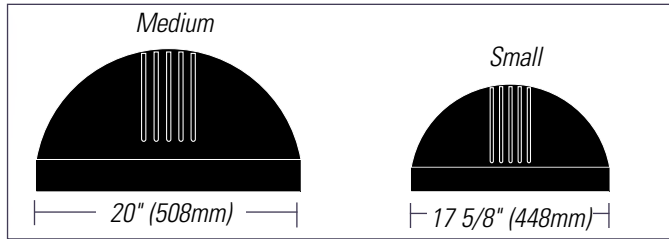
### ARCHITECTURAL HOUSING

Formed aluminum housing is rectangular in shape, featuring sleek, smooth lines and refined curves for an aerodynamic look that enhances the architectural integrity of any site.



### TWO SIZES

Small fixture is available from 50 to 150 Watts HID and 26 to 2/42 Watts Compact Fluorescent. Medium fixture is available from 250 to 400 Watts HID and 26 to 2/70 Watts Compact Fluorescent.



### REMOVABLE DOOR FRAME WITH FLAT LENS

Aluminum door frame is sealed to housing with a one-piece, extruded silicone gasket, and is removable for easy access. Clear, flat, tempered glass lens is sealed to the door frame with EPDM gasketing to prevent entry of insects, dust and moisture.



Loosen two captive, stainless steel fasteners, and door frame swings open.



Squeeze wire-formed retainer to remove door frame.

### SILICONE GASKET

One-piece, extruded silicone gasket seals the door frame against the housing.



### LUMINAIRE FINISHES

Each Challenger Wall Sconce fixture is finished with DuraGrip®, LSI's baked-on, polyester-powder coat finishing process. LSI's DuraGrip finish withstands weather changes without cracking or peeling, and is guaranteed for 5 full years.



METALLIC SILVER



BLACK



BRONZE



GRAPHITE



WHITE



PLATINUM PLUS



SATIN VERDE GREEN

# THE NEW BENCHMARK IN WALL SCONCE PERFORMANCE & STYLE

## FULLY ASSEMBLED FOR QUICK AND EASY INSTALLATION

The Challenger Wall Sconce comes fully assembled (pre-wired and HID pre-lamped) from the factory. The specially designed mounting plate provides for easy installation in just three quick steps.



1. Attach wall-mounting plate to the junction box.



2. Make the wiring connections, and attach the fixture to the wall-mounting plate by hanging it over the beveled lip of the wall-mounting plate.



3. Lock fixture into place by tightening two hex head screws.



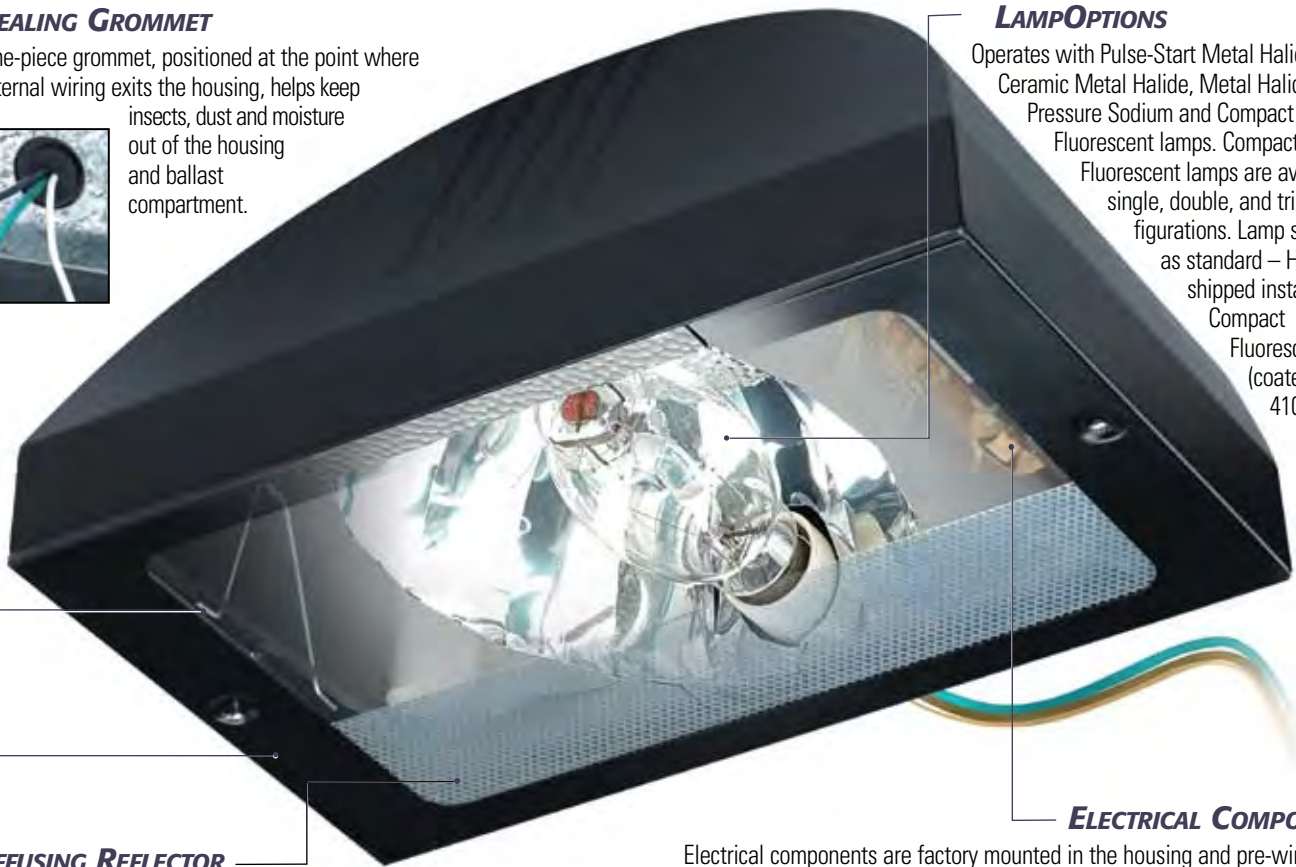
## SEALING GROMMET

One-piece grommet, positioned at the point where internal wiring exits the housing, helps keep insects, dust and moisture out of the housing and ballast compartment.



## LAMP OPTIONS

Operates with Pulse-Start Metal Halide, Ceramic Metal Halide, Metal Halide, High Pressure Sodium and Compact Fluorescent lamps. Compact Fluorescent lamps are available in single, double, and triple configurations. Lamp supplied as standard – HID (clear, shipped installed) or Compact Fluorescent (coated, 4100K).



## ELECTRICAL COMPONENTS

Electrical components are factory mounted in the housing and pre-wired with leads extending out the back of the unit. This eliminates the need to open the fixture when making wiring connections, ensuring quick and easy installation. Components are UL Listed.

## DIFFUSING REFLECTOR

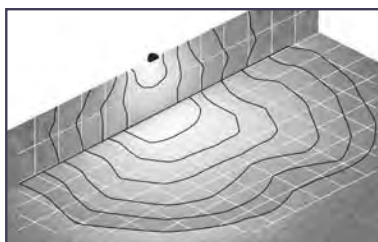
The Medium Challenger Wall Sconce has a unique diffusing reflector designed to eliminate hot spots on the wall directly above or below the fixture.

## REFLECTOR OPTIONS - Reflector models are protected by U.S. Patents # 6,464,378.

Forward Throw (FTM & FT) and Type III reflector systems are available with both small and medium fixtures. Both offer high-performance, full cut-off distribution as defined by the IESNA. For detailed photometric data, please visit our website at [www.lsi-industries.com](http://www.lsi-industries.com)



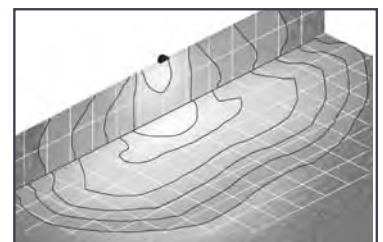
Typical Type FT photometric pattern.



CHWM FT



Typical Type III photometric pattern.



CHWM 3

Challenger site lighting fixtures have long been known as one of the industry's best values in architectural lighting, coupling a smooth, contoured appearance with high performance for maximum architectural effect.

Challenger Wall Sconces can be combined with Challenger site lighting fixtures for added architectural appeal and a sense of continuity throughout your site.

Working together, Challenger Wall Sconces and Challenger site lighting fixtures serve as the perfect complement to each other, while enhancing your overall architectural experience both inside and out.



**The Challenger Wall Sconce**



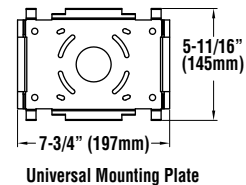
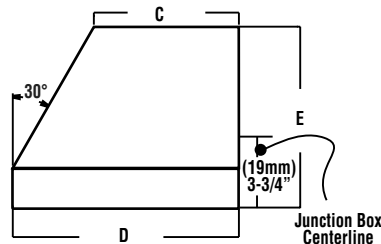
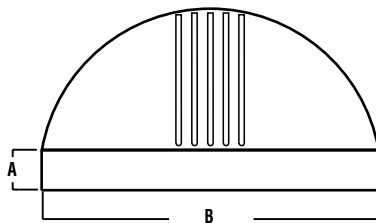
**The Challenger II Medium** – Featuring a formed aluminum housing, available with Vertical or Horizontal Burn optical systems. Up to 400 Watt HID.



**The Challenger Large** – Featuring a die-cast aluminum housing, available with Vertical or Horizontal Burn optical systems. Up to 1000 Watt MH.



## DIMENSIONS



	A	B	C	D	E
<b>Small</b>	(48mm) 1-7/8"	(448mm) 17-5/8"	(144mm) 5-21/32"	(244mm) 9-5/8"	(222mm) 8-3/4"
<b>Medium</b>	(60mm) 2-3/8"	(508mm) 20"	(219mm) 8-5/8"	(341mm) 13-7/16"	(273mm) 10-3/4"

SHIPPING WEIGHTS - Challenger Wall Sconce				
Catalog Number	Est. Weight (kg/lbs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
CHWS-HID	10 / 22	616 / 24.25	394 / 15.5	343 / 13.5
CHWM-HID	15 / 32	616 / 24.25	394 / 15.5	419 / 16.5
CHWS-CFL	8 / 17	616 / 24.25	394 / 15.5	343 / 13.5
CHWM-CFL	11 / 24	616 / 24.25	394 / 15.5	419 / 16.5



A Company with a Smart Vision

LSI LIGHTING SOLUTIONS PLUS  
10000 Alliance Road  
Cincinnati, Ohio 45242  
(513)793-3200 FAX (513)793-0147  
www.lsi-industries.com



Listed for wet locations. (Downlight only)  
Listed for damp locations. (Uplight only)



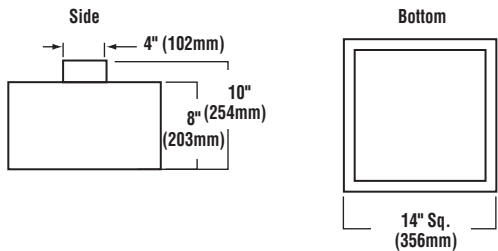
**ARRA**  
Funding Compliant



# SOVEREIGN

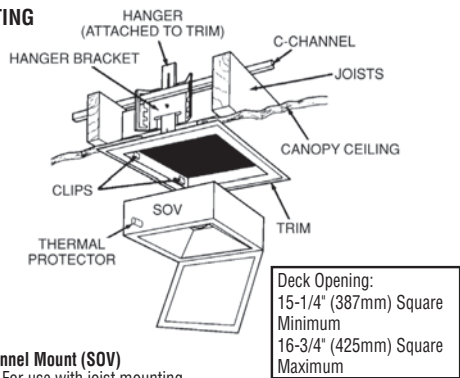


## DIMENSIONS



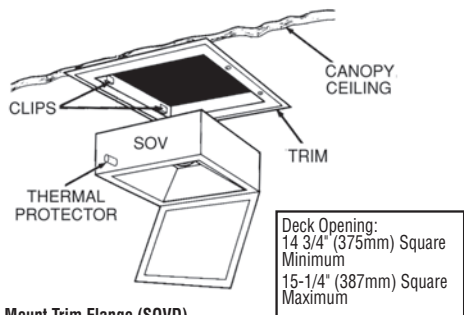
Note: Box not required on 100W MH (replaced with flat cover plate).

## MOUNTING



### C-Channel Mount (SOV)

Note: For use with joist mounting.



### Direct Mount Trim Flange (SOVD)

Note: Soffit material must be structurally sound to support trim flange kit and fixture.

**HOUSING** - Top panel of housing, including box which encloses socket, and housing side panels are galvanized steel. Corners are finished to produce a clean, sharp appearance and increase housing strength. A thermal protector is a standard feature of the Sovereign.

**DOOR FRAME** - Two captive stainless steel machine screws secure the lens frame assembly to the housing while allowing easy access without loose hardware.

**LENS/GASKET** - Available with a C73 diffused flat tempered glass. A continuous one-piece EPDM gasket seals the lens frame to the housing.

**SOCKETS** - Porcelain mogul-base sockets. Medium-base sockets are featured on 100 Watt Metal Halide.

**LIGHT SOURCES** - Pulse-Start Metal Halide, Metal Halide, or High Pressure Sodium. Clear lamp is supplied as standard.

**BALLASTS** - High-power factor. High Pressure Sodium fixtures utilize a type HX-HPF or an R-HPF ballast designed for -20° F operation. 175 Watt Pulse-Start Metal Halide fixtures utilize a type CWA ballast designed for -20° F operation. 100 Watt Metal Halide ballast utilizes HX-HPF circuitry.

**REFLECTOR/DISTRIBUTION PATTERN** - Sovereign reflector system and distribution pattern is available with vertical burn lamps: Type V Round (RD). Photometric data is tested in accordance with IESNA guidelines.

**MOUNTING** - Standard mounting type for the Sovereign is a C-Channel Mount or Direct Mount. Direct Mount Trim Flange Kit is constructed of prefabricated aluminum trim flange with welded, mitered corners. The beveled outer edge seals the trim against the face of the soffit. The fixture snaps directly into the trim flange, secured by spring-loaded clips. Soffit material must be structurally sound to support trim flange kit and fixture.

**FINISHES** - Each fixture is finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze and white.

**PHOTOMETRICS** - Please visit our web site at [www.lsi-industries.com](http://www.lsi-industries.com) for detailed photometric data.



damp location



**ARRA**  
Funding Compliant

American Innovation



American Made

## SHIPPING WEIGHTS - Sovereign

Catalog Number	Est. Weight (kg/lbs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
SOV	10/21	425/16.75	425/16.75	413/16.25

# SOVEREIGN

## LUMINAIRE ORDERING INFORMATION



TYPICAL ORDER EXAMPLE: **SOV RD 175 PSMV 73 120 WHT TP**

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage	Luminaire Finish	Options
SOV – C-Channel Mounting	RD – Type V Round	100	PSMV – Pulse-Start Metal Halide	73 – C73 Diffused Flat Tempered Glass	120	BRZ – Bronze WHT – White	TP – Tamper-proof Door Hardware <sup>1</sup> LL - Less Lamp
SOVD – Direct Mounting		150 175	MH – Metal Halide 100 Watt HPS – High Pressure Sodium 100, 150 Watt		208 240 277 347		
					Not available in Multi Tap, Tri Tap, or 480 Consult Factory for International Voltages and Light Sources		

**FOOTNOTES:**

1 - A Tamper-proof Screwdriver (SCD) must be ordered separately (see Accessory Ordering Information).

ACCESSORY ORDERING INFORMATION		(Accessories are field installed)	
Description	Order Number	Description	Order Number
SCD – Tamper-proof Screwdriver	36449	DFK208, 240 - Double Fusing	DFK208, 240
FK120 - Single Fusing	FK120	FK347 - Single Fusing	FK347
FK277 - Single Fusing	FK277	Direct Mounting Kit	132420CLR