

TDI ASSOCIATES, INC. ARCHITECTS, ENGINEERS, PLANNERS

N8 W22350 JOHNSON DRIVE, SUITE B4 WAUKESHA, WISCONSIN 53186 PHONE 262-437-0400 FAX 262-437-0401



PROFESSIONAL CONSULTANTS, INC.

300 COTTONWOOD AVE # 7 HARTLAND, WISCONSIN 53029 (262) 367-6080

RUSS DARROW NISSAN METRO AUTO PARK

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WEST METRO BOULEVARD MILWAUKEE, WISCONSIN

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Sheet Title
ELEVATIONS

Issued For:

Date: 10-10-2011

Job NO.: 11172.000

Date:

RJH

Drown By:

Sheet No.

A2.

SITE GRADING, DEMOLITION, EROSION CONTROL, PAVING AND UTILITY PLANS

RUSS DARROW NISSAN

CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

LOCATION MAP

LEGEND

PROPOSED	EXISTING	
	()	THOICATES RECORDED DWENSON WHERE DIFFERENT FROM ACTUAL MEASUREMENT
	6.085	SECTION OR 1/4 SECTION CORNER AS DESCRIBED
İ	,	1" DW. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
		1" DIA IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
	1	BOLLARD
	+	FLAGPOLE MALBOX
	=	SIGN RILLEGARD
	35. 0 Y	CONTROL BOX TRAFFIC SCHAL BAR BOAD CROSSING SCHAL
	<u> </u>	TRAFFIC SIGNAL RABEROAD CROSSING SIGNAL CABLE PEDESTAL POWER POLE
	r F	GUY POLE
	, i	SPOT/YARD/PEDESTAL LIGHT HANDICAPPED PARKING
	Ď	ELECTRIC WANHOLE ELECTRIC PEDESTAL ELECTRIC WETER
	<u>⊠</u> ⊛	ELECTRIC WETER TELEPHONE WANHOLE
	FO	TELEPHONE MANHOLE TELEPHONE PEDESTAL MAKED INSER OPTIC GAS VALVE
	0	GAS WETER
	∆ ଏହା ଅବନ୍ୟତନ୍ତ X ୦ ୧୯୦ ଜଣ ଜଣ	STORM WANHOLE ROUND INLET SQUARE INLET
	2	I STORM SEWER END SECTION
•	\$ \$	SANTARY MANHOLE SANTARY/STORM SEWER CLEANOUT SANTARY INTERCEPTOR MANHOLE
	ŏ	SANTARY INTERCEPTOR WANHOLE MISCELLANEOUS MANHOLE WATER VALVE HYDRANT
•	9	HYDRANT WATER SERVICE CURB STOP WATER MANHOLE
	į į	I WELL
	Ĭ	WATER SURFACE WETLANDS FLAG MARSH
	OO* *-++004808060	CONFEROUS TREE DECIDIOUS TREE SHRUB
	<u>~~~</u> ,	-EOGE OF TREES -SANTARY SEWER
		-STORM SEWER
	c	-MARKED GAS MAIN -MARKED ELECTRIC
	— B	-OVERHEAD WIRES -BUREAU ELEC. SERVWARKED TELEPHONE
	Tr	-NARKED CABLE TV LINE -NARKED FIGER OPTIC
780	780	INDICATES CONTOUR ELEVATION
× 790.35 × (760.58)	× 789.55	ACHICATES SPOT ELEVATION TOP OF CURB SPOT ELEVATION
1777-777		PROPOSED STONE TRACKING WAT
0		TOMPORARY BALET PROTECTION
		PROPOSED SLT FENCE
********		PROPOSED HIGH SIDE CURB & CUTTER
प्रशासका		PROPOSED CONCRETE PAREMENT
		PROPOSED CONCRETE SIDEWALK PAYEMENT
<u> </u>		PROPOSED UCHT DUTY ASPHALT PAVENDAT
		PROPOSED HERMY DUTY ASPHALT PRIVINGNT



ENGINEER:

R.A. SMITH NATIONAL CONTACT: RYAN LANCOUR, P.E. 16745 W. BLUEMOUND ROAD, SUITE 200 BROOKFIELD, W 53005-5938 PH.: 262/781-1000 FAX: 262/781-8466

PLAN **INDEX DESCRIPTION** SHEET NO. DEMOLITION & INITIAL EROSION CONTROL PLAN C-1.1C-2.1 SITE PLAN PAVING, GRADING & FINAL EROSION CONTROL PLAN C-3.1 UTILITY PLAN C-5.1 SPECIFICATIONS & CONSTRUCTION NOTES C-5.2 C-5.2 C-5.4 C-5.5 C-5.6 **DETAILS** DETAILS

PLAN DATE: DECEMBER 19, 2011

REVISIONS	ISSUE DATE	SHEET NO.'S	ISSUED FOR:
#1	01-20-12	C1.1 & C3.1	REVISIONS TO SLOPE & FILL IN FUTURE ROADWAY
#2	02-02-12	C1.1, C2.1, C3.1, C4.1, C5.4	CHANGE IN SITE PLAN & POND DESIGN
#3	03-02-12	C2.1, C3.1, C4.1	ENTRANCE REVISION
#4	03-16-12	C2.1, C3.1, C4.1	OWNER CHANGE
# 5	03-23-12	C2.1, C3.1, C4.1, C5.4	WATER LINE RELOCATION
	 		
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MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN CONSTRUCTION PLANS

DARROW

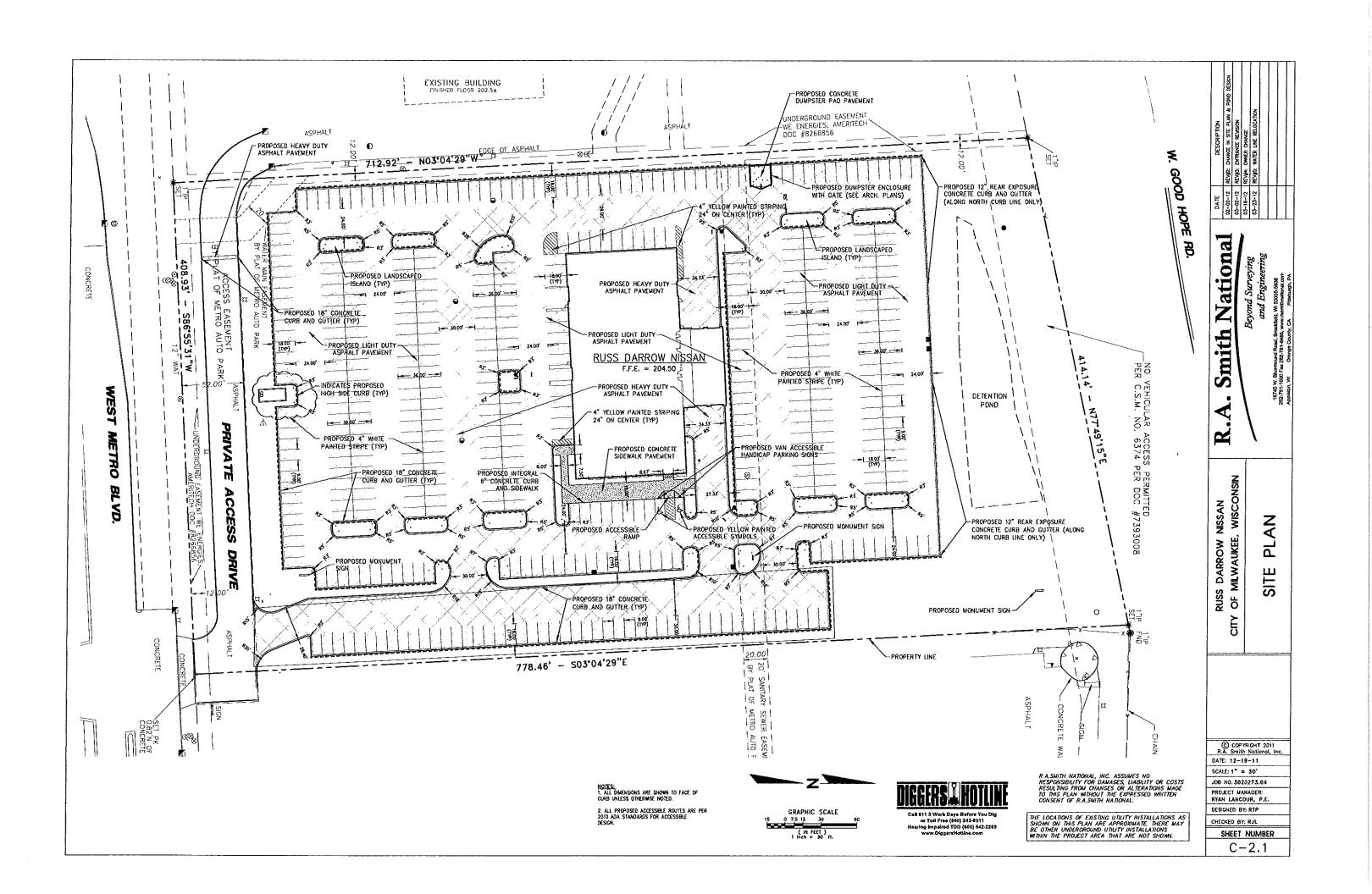
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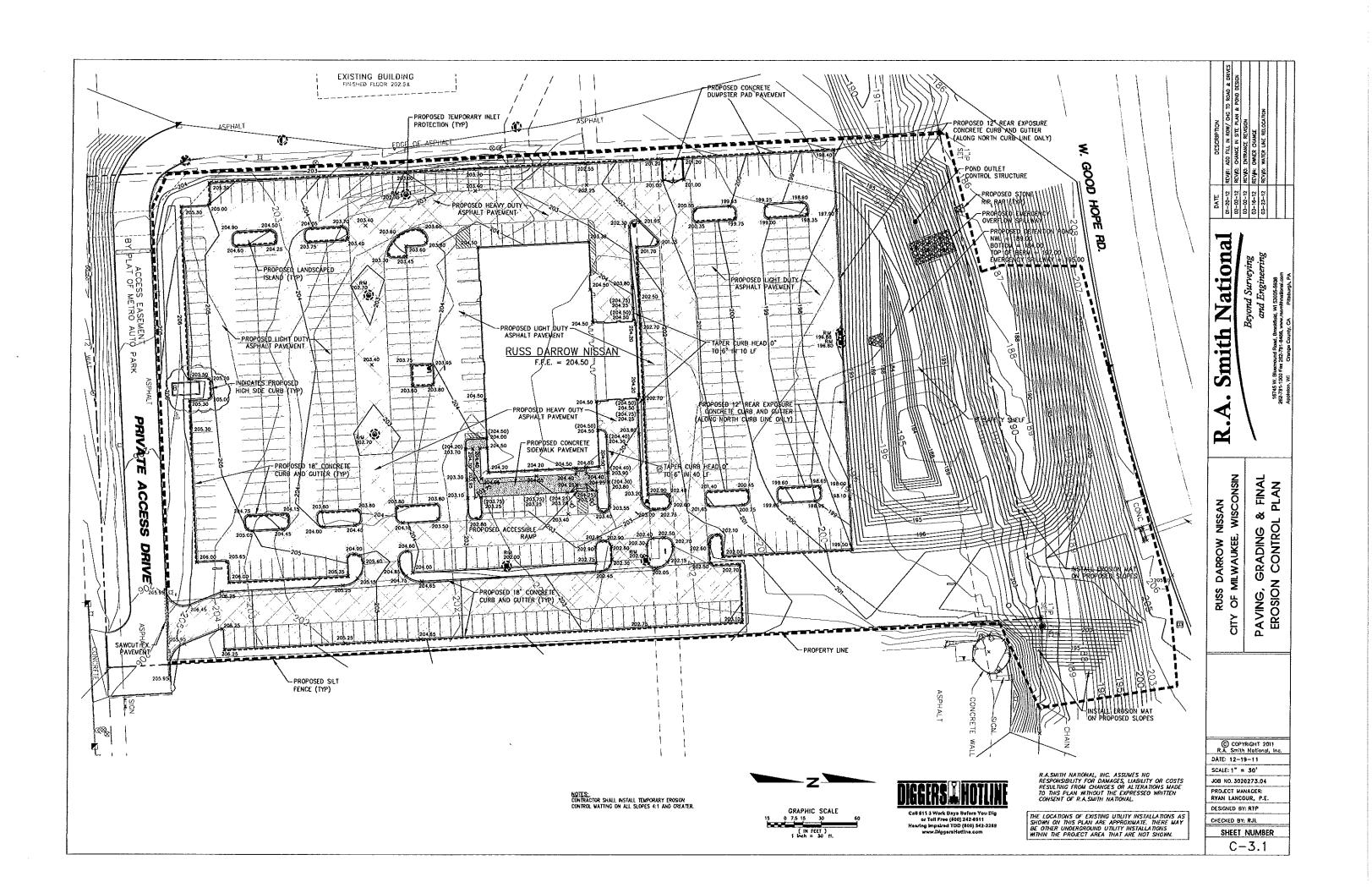
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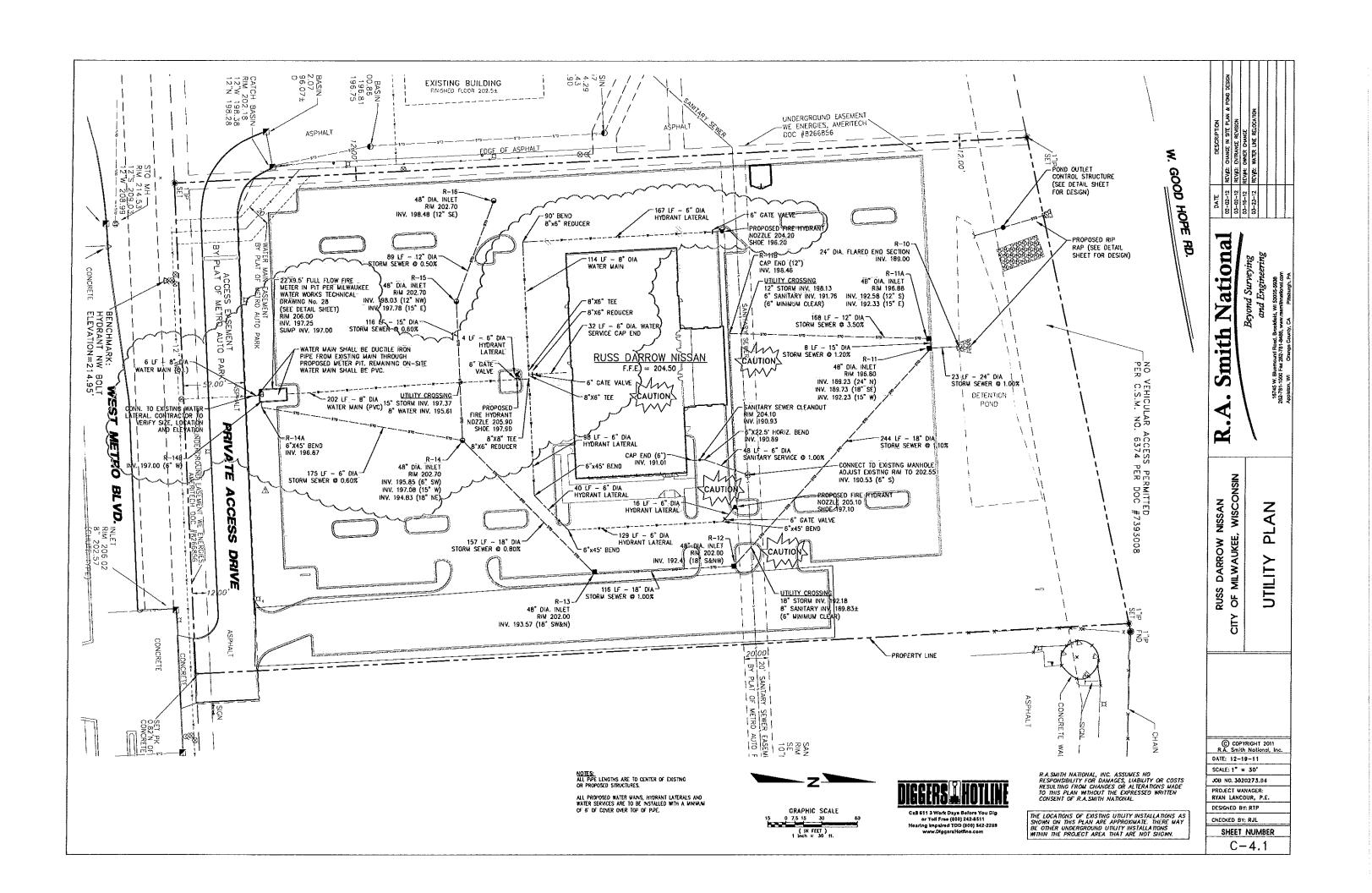
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SPECIFICATIONS & CONSTRUCTION NOTES

A. GENERAL

- 1. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY— EIGHT (48) HOURS, OR AS REQUIRED BY CITY CODE, PRIOR TO THE START OF CONSTRUCTION.
- 2. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THER ACENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
- J. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS PROPOSAL. HE SHALL BASE HIS BID ON HIS OWN ESTMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON THE ENGNEER'S ESTIVATE.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO BIDDING AND COMMENCEMENT OF CONSTRUCTION. A GEOTECHNICAL REPORT MAY BE AVAILABLE FROM THE OWNER. THE CONTRACTOR SHALL ABIDE BY THE RECOMMENDATIONS OF THE GEDTECHNICAL ENGINEER.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK, THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
- CONTRACTOR IS ADMISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT ACCINCIES.
- 10. ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED. BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL, AND SHOULD BE INCLUDED IN THE BID

B. PAVING

- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- PAYING SHALL CONSIST OF TIME GRADING PAYEMENT AREAS, INSTALLATION OF CRUSHED STONE BASE, CONCRETE AND/OR BITUMINOUS PAYEMENT, PAYEMENT MARKING, AND CLEANUP. ALL MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
- AGGREGATES USED IN THE CRUSHED AGGREGATE BASE SHALL BE 1-1/4 INCH DENSE GRADED BASE IN ACCORDANCE WITH SUBSECTION 305.2.2 OF THE STANDARD SPECIFICATIONS.
- HOT MIX ASPHALT PAYEVENT (HMA) SHALL BE SUPERPAYE E-0.3 IN ACCORDANCE WITH SECTION 460 OF THE STANDARD
- ASPHALTIC MATERIALS SHALL BE PREFORMANCE GRADED (PG) BINDERS IN ACCORDANCE WITH SECTION 455 OF THE STANDARD SPECIFICATIONS. UPPER LAYERS SHALL BE PG64-22, AND LOWER LAYERS SHALL BE PG64-22.
- 5. AGGREGATES USED IN THE HUA SHALL BE IN ACCORDANCE WITH SUBSECTION 450.2.2.3 OF THE STANDARD SPECIFICATIONS. THE NOMINAL AGGREGATE SIZE FOR THE UPPER LAYER PAVEMENT SHALL BE 12.5 MM, AND THE LOWER LAYER PAVEMENT SHALL BE 19.0 MM.
- 7. TACK COAT SHALL BE IN ACCORDANCE WITH SUBSECTION 455.25 OF THE STANDARD SPECIFICATIONS. THE RATE OF
- CONCRETE FOR CURB, DRIVEWAY, WALKS AND NON-FLOOR SLABS SHALL BE GRADE A (OR GRADE A2 IF PLACING BY SUP-FORMED PROCESS) AIR ENTRAINED IN ACCORDANCE WITH SECTION 501 FOR THE STANDARD SPECIFICATIONS, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 1500 PSI
- CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: SECTION 415 FOR CONCRETE PAVEMENT, SECTION 601 FOR CONCRETE CURB AND GUTTER, AND SECTION 602 FOR CONCRETE SIDEWALKS.
- 10. ALL FINISHED CONCRETE SHALL BE COVERED WITH A LIQUID CURING COMPOUND CONFORMING TO AASHTO M 148, TYPE 2, IN ACCORDANCE WITH SECTION 415 OF THE STANDARD SPECIFICATIONS.
- 11. PAVEMENT MARKINGS SHALL BE PAINT IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS. THE FOLLOWING ITEMS SHALL BE PAINTED WITH COLORS NOTED BELOW:

PARKING STALLS: WHITE PEDESTRIAN CROSSMAUS: YELLOW
LANE STRIPING WHERE SEPARATING TRAFFIC IS LIDVING IN OPPOSITE DIRECTIONS: YELLOW
LANE STRIPING WHERE SEPARATING TRAFFIC IS MOVING IN SAME DIRECTIONS: WHITE ADA SYMBOLS: YELLOW FIRE LANES: PER LOCAL CODE EXTERIOR SIDEWALK CURB, LIGHTPOLE BASES, AND GUARD POSTS: YELLOW

C. GRADING

- 1. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE MISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL MAINTAIN SITE DRAWAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF
- 1 SELT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIOUNG ALL ERDSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
- 4. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL CRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO
- 5. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSON, REMOVAL OF EXISTING PAYEMENT OR FOUNDATIONS IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AND ON-SITE FARTHWORK BALANCE GRADING THE PROPOSED BUILDING PADS AND PAVENENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVENENT
- 6. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY
- 7. ALL FILL SHALL BE CONSIDERED STRUCTURAL FILL AND SHALL BE PLACED IN ACCORDANCE WITH THE GEOTECHNICAL

D. PRIVATE UTILITIES

- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO WISCONSH ADMINISTRATIVE CODE, SECTION COUN. 82-87, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSH, LATEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWNGS, THE CONTRACTOR SHALL NOTIFY THE ENGNEER IMMEDIATELY FOR POSSIBLE REDESIGN.
- 3. ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS.
- 4. MATERIALS FOR STORM SEWER SHALL BE AS FOLLOWS:
- A) HIGH DENSITY POLYETHYLENE (HOPE) WITH A SUDOTH INTERIOR AND ANNULAR EXTERIOR CORRUGATIONS, SUCH AS ADS N-12 WT. HOPE PIPE SHALL CONFORM TO ASTM F2648 AND F2306. JOINTS SHALL BE WATER TICHT CONFORMING TO ASTN 03212 WITH ELASTOMERIC SEALS (GASKETS) CONFORMING TO ASTN F477.

TRENCH SECTION SHALL BE CLASS "B"

WLETS SHALL BE SOUD CONCRETE BLOCK OR PRE CAST REINFORCED CONCRETE, ASTM C-478.

5. MATERIALS FOR SANITARY SEWER SHALL BE AS FOLLOWS:

SANITARY SEWER PIPE SHALL BE PVC, ASTM D-3034, SOR-35 WITH RUBBER GASKETED JOINTS, CONFORMING TO ASTM

TRENCH SECTION SHALL BE CLASS "B" BEDDING. CRUSHED STONE CHIPS SHALL BE USED FOR BEDDING MATERIAL. PREFABRICATED WIE CONNECTIONS ARE REQUIRED FOR SANITARY LATERALS

6. MATERIALS FOR WATER SERVICE SHALL BE AS FOLLOWS:

WATER SERVICE FROM EXISTING 12" MAIN THROUGH PROPOSED METER PIT SHALL BE DUCTILE IRON (DI), ASTM A-377, WITH ELASTOMERIC JOINTS (AWWA C-111), WITH A VALVE AT THE SUPPLY MAIN.

ALL REMAINING ON SITE WATER SERVICE PAST THE PROPOSED WETER PIT SHALL BE PVC, SDR-18, CLASS 235, AWWA C-900, WITH ELASTOMERIC JOINTS (ASTM D-3139), WITH A VALVE AT THE SUPPLY MAIN

ALL FITTINGS SHALL BE MECHANICAL JOINT, QUOTILE IRON CONFORMING TO ANNA C-111.

HYDRANTS SHALL BE IN ACCORDANCE WITH THE MUNICIPALITY'S STANDARD SPECIFICATIONS.

GATE VALVES SHALL BE RESIDENT WEDGE TYPE, AWHA C-509, AND SHALL BE INSTALLED WITH AN ADJUSTABLE VALVE

TRENCH SECTION SHALL CONFORM TO SECTION 4.3.C, FILE NO. 38 OF THE STANDARD SPECIFICATIONS. SAND OR STONE CHIP BEODING MATERIAL IS REQUIRED.

- EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER & WITHIN 5 FEET OF ALL PAYEMENT INCLUDING SIDEWALKS. FLODOING OF BACKFILL MATERIAL IS NOT ALLOWED. THE COST OF THIS GRANULAR MATERIAL AND ITS COMPACTION IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY.
- 8. UPON COMPLETION OF FINAL PAYING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE DIMMER WITH A SET OF MARKED-UP PRINTS SHOWING ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE OWNER.
- 10. TRACER WIRE SHALL BE INSTALLED ON ALL BURIED NON-METALLIC SANITARY SEWERS, PRIVATE SANITARY INTERCEPTOR MAIN SEWERS, STORM BUILDING SEWERS, AND PRIVATE STORM INTERCEPTOR MAIN SEWERS THAT DISCHARCE TO MUNICIPAL MAINS. TRACER WIRE SHALL ALSO BE INSTALLED ON ALL BURIED NON-METALLIC WATER SERVICES AND PRIVATE WATER MAINS CONNECTED TO MUNICIPAL SUPPLY SYSTEMS. TRACER MRE SHALL BE IN ACCORDANCE WITH COMM B2.30(1)(h)(i).
 TRACER WRE SHALL BE A MINIMUM OF 18-CAUGE, INSULATED, SINGLE-CONDUCTOR COPPER WRE OR EQUIVALENT. TRACER WIRE COLOR SHALL BE BLUE FOR POTABLE WATER, GREEN FOR SANITARY SEWER, AND BROWN FOR STORM SEWER.

E. EROSION CONTROL

- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINNS COPES OF ALL PERMITS, INCLUDING MPDES DISCHARGE PERMITS (F APPUICABLE), AND THE CITY OF MUMAUREE EROSION CONTROL PERMIT. CONTRACTOR IS RESPONSIBLE FOR ABOING BY ALL PERMIT REQUIREMENTS AND RESTRICTORS.
- ALL INSTALLATION AND MANYTHANCE OF EROSON CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSN DEPARTMENT OF NATURAL RESOURCES (MEMR) TICHNICAL STAMDARD, OR THE WISCONSN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HAMBOOK IF A TICHNICAL STAMDARD IS NOT ANALABLE.
- 1. ALL EROSON CONTROL FACULTES SHALL BE WANTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH THE ONE WIPDES DENERAL PLRANT.
- 4. ALL EROSON AND SEDMENTATION CONTROL PRACTICES SHALL BE INSPECTED MERCLY AND WITHIN 24 HOURS AFTER EVERY PREDITATION EVENT THAT PRODUCES OS INCHES OF RAIN OR MORE DURING A 24 HOUR PERCO. NEEDED REPAIRS WALL BE MADE MAREDIATELY.
- 5. ALL DISTURBED CROUND LEFT INACTIVE FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TOPSON, SELD, AND WALCH IN ACCORDANCE WITH
- 6. TEMPORARY SEED MIXTURE SHALL CONFORM TO 830.21.5.1.4 OF THE WISDOT STANDARD SPECIFICATIONS. USE WINTER WHEAT OR RYE FOR FALL
- DISTURBED AREAS THAT CHANGE BE STABLIZED WITH A DENSE GROWTH OF VECETATION BY SEEDING AND MALGENC DUE TO TIMPERATURE OR THANG OF CONSTRUCTION, SHALL BE STABLIZED BY APPLYING ANOING POLYAGRILAGGE (PAM) IN ACCORDANCE WITH WORK TECHNOLIL.
- A. SEDWENT SHALL BE REWOYED FROM BOYEND THE SILT FENCE WHEN IT REACHES HALF THE HEIGHT OF THE FENCE. THE SILT FENCE SHALL BE REPAIRED AS RECESSARY TO WAINTAIN A BARRER.
- 2. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WORR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL BROSON CONTROL MEASURES NECESSARY TO PROVENT EROSON AND SEDMENTATION. ALL DISTURBED AREAS ARE TO DRIVEN TO APPROVED SEDMENT CONTROL MEASURES AT ALL THAS DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACREVED. OPERIODIC ON HOW THE CONTROLTOR GRADES THE SITE. IT HAS RECESSARY TO RESIDENT TRAPS OF A VARBOUS LOCATIONS THROUGHOUT. THE PROJECT, TEMPORARY SEDMENT TRAPS STALL BE DESCRIPT. INSTALLED, AND WAINTAINED IN ACCORDANCE WITH WORR TECHNICAL STANDARD 1053
- 11. ANY SEDMENT TRACKED ONTO A PUBLIC OF PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT RUSHING, BEFORE THE END OF
- 12 DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH HEAR TECHNICAL STANDARD 1068.
- 13. FINAL STABILIZATION OF LANDSCAPED AREAS SHALL BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
- 14. CONTRACTOR SHALL INSTALL LPOSON CONTROL MATTING ON ALL SLOPES 4:1 OR GREATER. LPGSON CONTROL MATTING SHALL BE PROPEX CEOSYNTHETICS TEMPORARY LPGSON CONTROL MAT "CS2" OR EQUIVALENT. LPGSON CONTROL MATTING SHALL BE INSTALLED FOR MARKEACTURES DETAILS AND SPECIFICATIONS.
- 15. ALL SEEDED AREAS WILL BE FERRUIZED, RESERVED AS NECESSARY, AND WILCOMED ACCORDING TO SPECIFICATIONS IN THE APPROVED LANDSCAPE PLAN TO MUNITUM A MODIFICATIONS DESIGN CONTINUE COVER.

F. SEQUENCE OF CONSTRUCTION

GENERAL NOTES THROUGHOUT ENTIRE CONSTRUCTION PERIOD:

ALL EXPOSED SOIL AREAS NOT DISTURBED FOR UP TO 21 DAYS MUST BE IMMEDIATELY RESTORED WITH SEED AND

CONTRACTOR MAY ADJUST EROSION CONTROL PRACTICES & CONSTRUCTION SEQUENCING AS FIELD CONDITIONS DICTATE. CONTRACTOR SHALL CONFORM TO ONR TECHNICAL STANDARDS AND REQUIREMENTS SET FORTH IN FEDERAL, STATE &

CONTRACTOR SHALL OBTAIN CITY AND DEVELOPER APPROVAL PRIOR TO WAKING ANY WATERIAL CHANGES TO THE

CONTRACTOR SHALL MAINTAIN AND MAKE AVAILABLE UPON REQUEST, AN EROSION CONTROL PLAN SHOWING ANY AND ALL CHANGES TO THE EROSION CONTROL SCHEDULE AND/OR PRACTICES OUTLINED IN THE EROSION CONTROL SCHEDULE.

FROSON AND SECRET CONTROL MEASURES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL MEASURES MAY BE NECESSARY DUE TO CONTRACTOR'S MEANS AND METHODS, SITE CONDITIONS OR AT THE REQUEST OF THE CITY AND/OR

CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STATE, COUNTY AND LOCAL REGULATIONS.

AS SITE CONDITIONS WARRANT DURING CONSTRUCTION ADDITIONAL BMPS SHALL BE INSTALLED TO REDUCE THE MIGRATION OF SEDIMENT TO THE MOST EXTENT PRACTICABLE.

SEQUENCE AND TIWING FOR INSTALLATION OF EROSION CONTROL MEASURES & SITE IMPROVEMENTS SHALL BE:

- INSTALL TEMPORARY CONSTRUCTION ENTRANCES.
- INSTALL TEMPORARY INLET PROTECTION IN EXISTING STORM STRUCTURES.
- STRIP SITE TOPSOIL WITHIN LIMITS OF PROJECT DISTURBANCE. SURROUND TOPSOIL STOCKPILE WITH SILT FENCE.
- CONSTRUCT PROPOSED DETENTION POND AND OUTLET CONTROL STRUCTURE.
- CRADE SITE TO PROPOSED SUBCRADE. BECON BUILDING CONSTRUCTION
- INSTALL PROPOSED UTILITIES. PLACE TEMPORARY INLET PROTECTION IN EACH STORM STRUCTURE UPON
- INSTALL BASE COURSES, PROPOSED PAVEMENTS, PROPOSED SIDEWALKS AND PROPOSED CURB & GUTTER. ID. SPREAD SALVAGED TOPSOIL IN PROPOSED LANGSCAPE AREAS AND RESTORE WITH SEED, WULCH & FERTILIZER.
- ALL PERMANENT SEEDING SHALL BE COMPLETED BY SEPTEMBER 15. ALL TEMPORARY SEEDING SHALL BE COMPLETED BY OCTOBER 15. (REFER TO DNR STANDARD 1059.)
- 12. STABILIZATION AFTER OCTOBER 15 SHALL CONSIST OF ANIONIC POLYACRYLANIDE (PAN) IN ADDITION TO TEMPORARY SEEDING PLACE PAW IN ACCORDANCE WITH WORR TECHNICAL STANDARD 1050.

 13. REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES AFTER DISTURBED AREA IS COVERED BY 80%
- ESTABLISHED VECETATION

R.A. SMITH NATIONAL, INC. ASSUMES ND RESPONSIBILITY FOR DAMAGES, LIABILITY OF COSTS RESULTING FROM CHANGES OR ALTERATIONS WADE TO THIS PLAN MITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH NATIONAL

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AND WISCON SPECIFICATIONS CONSTRUCTION N MILW AUKEE, ď

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JOB NO. 3020273.04 PROJECT WANAGER: RYAN LANCOUR, P.E.

DESIGNED BY: RTP CHECKED BY: RJL

SHEET NUMBER

C - 5.1

1. SLT FENCE SHALL BE ASTALLED PRICE TO ANY LAND DISTURBING ACTIVITY AND/OR WITHH 24 HOURS OF CONSTRUCTING DITCHES, DIVERSIONS, OR OTHER CHANNELS.

ACUSE OF CONSTRUCTING DITCHS, DIVERSIONS, ON DIED CHANGES.

A. CHAI THACE STENDED: DO LES (DAN) IN DEC CHOSS-MACHAE DIRECTION (ASTA 0-44.12)

B. CHAI THACE STENDED: TO LES (DAN) IN DEC CHOSS-MACHAE DIRECTION (ASTA 0-46.12)

O. MIDICHAI PRIMITATI CHO LES (DAN) IN DE MACHAE CARECTION. (ASTA 0-46.12)

O. MIDICHAI PREMITATION CHO (ASTA 0-4.10)

F. MICHAMOLET RUCHATION STREAMY OF TOTE (ASTA 0-45.51)

F. MICHAMOLET RUCHATION STREAMY OF TOTE (ASTA 00-45.51)

F. MICHAMOLET RUCHATION CHOOSE. HOW. HOWEN FLREC MAY BE RETRE-FRANCED, HEAT BOACED, RESN BOACED, OR COMPANIONS TREFECT,

M. S.T TONCE SHALL HAVE A MACHAEM TOW RATE OF TOCAL/NEW, SOURCE FOOT AT SOUM CONSTANT

HEAD (ASTA 00-481)

SLI TENCE SHALL BE PLACED ON THE CONTOUR AND NOT PERPORPHICAAR TO THE CONTOUR. THE DIOS SHALL BE EXTENDED UPSLOPE. TO PREVENT WATER FROM PLONING ARCHAO. THE DIOS OF THE TENCE.

4. WHEN SET FENCE IS INSTALLED ON A SCOPE, THE PARALLEL SPACING SHALL HOT EXCELL THE RECORDINATION THE TABLE BELOW.

360.55	FENCE SPACING
< 2.4	100 FEET
28 10 58	75 FEET
SW TO 160F	50 FEET
102 10 332	25 FEET
> 115	20 FEET

MSTALLED SLT FEMOLS SHALL BE MINIMAN 14 MORES HOH AND A MAXIMAN OF 28 MORES IN OHT MEASURED FROM THE INSTALLED GROUND ELEVATION.

6. SLI FENCE SHALL BE SUPPORTED BY DITHER WOOD OR SITEL SUPPORTS AS SPECIFIED BELOW A. 1600 - 1 1/8" X 1 1/8" AR OR KUN DRED OAK OR NOKKORY, FLANCE SHULL BE STAPLED USING 1/2-INCH. MANNAN STAPLES TO THE UPSLOPE SOE OF THE TRICE IN AT LEAST 3 PLACES, POSTS SHULL BE A WINNIN OF 3 TRET LONG FOR 24-INCH FENCE AND 4 TRET LONG FOR 36-INCH FENCE.

8. STEEL - MARKAM S FEET IN LENGTH WITH STRENGTH OF 1,33 LBS/FT AND HAVE PROJECTIONS FOR FASTINETS: FASHIC SHALL BE ATTACKED IN AT LIAST THREE PLACES ON THE LIPSCOPE SIDE WITH SOLD PLASTIC THE STANKES OF WICE FASTINETIS.

MUDDANN SPACING OF POSTS FOR NON-WOND! SLT FONCE SHALL BE 3 FEET AND 8 FEET FOR MONTH FARMS. B. A MINIMAN OF 20 INCIDES OF THE POST SHALL EXTEND INTO THE GROUND AFTER INSTALLATION

SET FORCE SHALL BE ANCHORDED BY SPECIMEN AT ILLEST & MORSE OF THE FASSIC HE A 4-MOVE TRENGH WAS IT 4-MOVE LEEP THRONG OR 64-MOVE HY TRONGH ON THE LIFES AND SET THE METHOR TRENGH SHALL BE BLOTHLED AND CORPORTION THRONGH SHALL NOT BE CITCH/RITED MEDIT THAN INCESSING FOR PROPER HIS LILLATION.

10. SLT FENCE SHALL AT A MAGRAM BE INSPECTED MEETLY AND WITHIN 24 HOURS AFTER EACH PRECIPITATION EVENT THAT PRODUCTS G.S. NOVES OF RAIN OR MORE DURING A 24-HOUR PERIOD. 11. CAUAGED OR DECOMPOSED FINCES, UNDERCUTTING, OR FLOW CHANGES AROUND THE END OF BARRIERS SHALL BE REPARED OR CORRECTED.

12. SIDMENT SHALL BE PROFERLY DISPOSED OF ONCE THE DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE. 13. SLT FENCES SHALL BE REMOVED ONCE THE DISTURBED AREA IS PERMANENTLY STABILITED AND IS NO LONGER SUSCEPTIBLE TO EROSON.

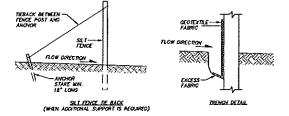
1. TRENCH SHALL BE A MINIAM OF 6" MOE & 6" DEEP 10 SURY AND ANCHOR DE GEOTETHE FABRIC. TOLD MATERIAL TO TIT TRENCH AND BACOTEL & COMPACT TRENCH WITH DECAMATIO SOM.

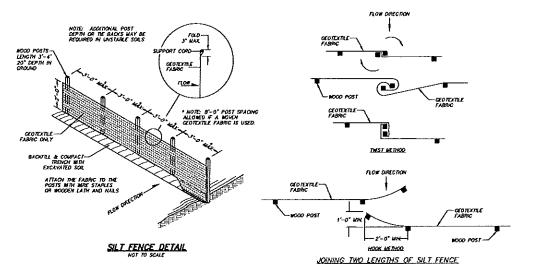
2. HODD POSTS SHALL BE A MINIMUM SIZE OF 1%" X 1%" OF DAX OR HICKORY. 3. CONSTRUCT SUT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOHNS. IF A JOHN IS NECESSARY USE ONE OF THE FOLLOWING THO METHODS:

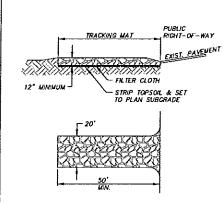
A) THIST METHOD—-CHEPLAP DIE END POSTS AND THIST, OR ROTATE, AT LEAST 180 DEGREES.

8) HOOK METHOD--HOOK THE END OF EACH SLT FENCE LENGTH.

4. CONSTRUCTION SHALL BE IN ACCORDANCE WITH WORK OPS TECHNICAL STANDARD 1056.







CONSIDERATIONS:

1. VEHICLES TRAVELING ACROSS THE TRACKING PAD SHOULD MAINTAIN A SLOW CONSTANT SPEED.

THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO RESTRICT VEHICLES TO STABILIZED AREAS.

3. IT IS ALWAYS PREFERABLE TO PREVENT SEDIMENT FROM BEING DEPOSITED UPON THE ROAD THAN CLEANING THE ROAD LAIER. SEDIMENT ON A ROAD CAN CREATE A SAFETY HAZARD AS WELL AS A POLLUTION PROBLEM.

4. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.

NOTES: A. TRACKING PAD: 1. THE TRACKING PAO SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.

2. THE AGGREGATE FOR TRACKING PADS SHALL BE 3"- 6" CLEAR OR WASHED STONE. ALL MATERIAL TO BE RETAINED ON A 3-INCH SIEVE.

THE AGGREGATE SHALL BE PLACED IN A LAYER AT 3. THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. ON SIES WITH A HOPH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED OURNING THE LIFE OF THE PRACTICE, STOKE TRACKING PADS SHALL BE UNDERLAIN WITH A WISDOT TYPE R CEDIEXTHE FABRICT OF PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.

4. THE TRACKING PAD SHALL BE THE FULL MOTH OF THE EGRESS POINT. THE TRACKING PAD SHALL BE AT A MINIMUM 50 FEET LONG.

5. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYTED UNDER AND AROUND THEM BY USING A VARIETY OF PRACTICES, SUCH AS CULVERTS, WATER BARS, OR OTHER SWILAR PRACTICES.

B. THE WASHING. IF CONDITIONS ON THE SITE ARE SUCH THAT THE SEDWENT IS NOT REMOVED FROM VENICLE THES BY THE TRACKING PAD, THEN THES SHALL BE WASHED UTILIZING PRESSURIZED WATER BEFORE ENTERING A PUBLIC POLICY OF THE PROPERTY OF THE PROPERT

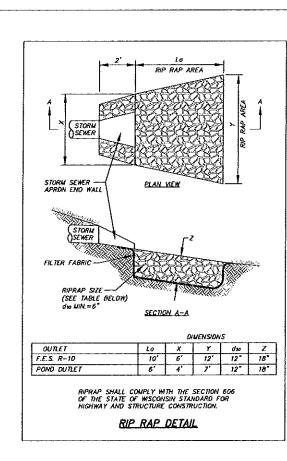
1. THE WASHING STATION SHALL BE LOCATED ON-SITE IN AN AREA THAT IS STABILIZED AND DRAINS INTO SUITABLE SEDIMENT TRAPPING OR SETTLING DEVICE.

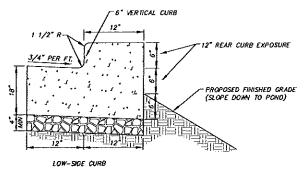
2. THE WASH RACK SHALL CONSIST OF A HEAVY GRATING DVER A LOWERED AREA. THE RACK SHALL BE STRONG ENOUGH TO SUPPORT THE VEHICLES THAT WILL CROSS IT.

C. ROCKS LODGED BETWEEN THE TIRES IF QUAL WHEEL VEHICLES SHALL BE REMOVED PRIOR TO LEAVING THE CONSTRUCTION SITE.

STONE TRACKING PAD AND TIRE WASHING DETAIL

SHALL BE ACCORDANCE WITH DNR TECHNICAL STANDARD 1057





4000 PSI CONCRETE SHALL BE USED IN CONSTRUCTION OF THE CURB & GUTTER THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SLOPE OF THE GUTTER PAN. 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSELY IN THE CURB AS FOLLOWS:

AS FULLOWS: 1) AT EACH JUNCTION OF RADIUS RETURN CURB AND THE CURB WHICH IS PARALLEL TO THE PROJECT CENTER UNE. 2) AT EACH JUNCTION WITH EXISTING CONCRETE CURB OR CONCRETE CURB & DUTTER. 3) AT EACH JUNCTION WITH EXISTING CONCRETE SIDEWALK, TO THE DEPTH OF THE SIDEWALK.

12" EXPOSURE CONCRETE CURB & GUTTER

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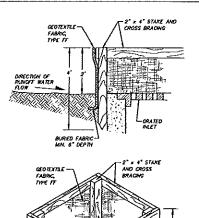
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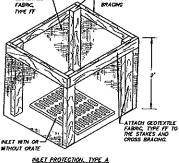
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PROJECT WANAGER: RYAN LANCOUR, P.E. DESIGNED BY: RTP

CHECKED BY: RJL SHEET NUMBER

C - 5.2





GENERAL NOTES

WHET PROTECTION DEWCES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE EMPHREE.

MEN REMOVING OR MANTANING BLEE PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDMENT TRAPPED ON THE CECENTILE FARSC DOES NOT FILL HITD THE MILET, ANY MATCHAL FALLING NITO THE MALET SHALL BE RELOVED IMPRODUCTIVE.

TYPE A IS TO BE USED PRIOR TO PAYING AND TYPED B. C. AND D ARE TO USED AFTER PAYING IS PLACED.

TYPE A SHULL BE USED AROUND PALTS AND UNPAYED AREAS UNTIL PERNAMENT STABILIZATION METHODS HAVE BEEN ESTABLISHED.

TYPE B SHALL BE USED AFTER THE CASTING AND CRATE ARE IN PLACE

TYPE C SHALL BE USED ON STREET INLETS WITH CURB HEADS.

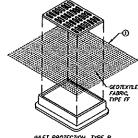
LOW-SIDE CURB

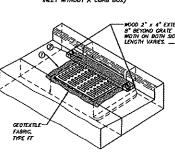
NOTES:

TYPE D STALL BE USED IN AREAS WERE OTHER TYPES OF INLET PROTECTION ARE INCOMPARISE WITH ROAD BLY AND TRAFFIC CONCIDENTS (I.E. POSSIBLE SAFETY HAZARO F POMONIO OCCURS)

(2) FOR MALE PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18' OF FARMS TRAVES. THE MODO SHALL HOT BLOCK THE CHIEFE HOPHIS OF THE WAS BOX GENERO WITH STAPLES. THE MODO SHALL HOT BLOCK THE CHIEFE HOPHIS OF THE WAS BOX GENERO.

TLAP POORTIS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4. CONSTRUCTION SHALL BE IN ACCORDANCE WITH MONR OPS TECHNICAL STANDARD 1060





WILET PROTECTION, TYPE C

THE B & C. THE EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MANIFOLINCE, USING SUM PLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SECURENT FROM EMERHOR THE PILET.

THE D. DO NOT INSTALL PALET PROTECTION TIPE D W PALETS SAULOWER THAN 30°, WEASINGD FROM THE BOTTOM OF THE WALET TO THE TOP OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A WINDAW SOE CLEARANCE, SETWEN THE HALT WALLS AND THE BAG, WEARANED AT THE BOTTOM OF THE OVERTICAL HALES, OF 37, WHERE MECESTARY THE COMPRICTION SHALL CHAN THE BAG, USING PLASTIC 2P TES, TO ADDRESS THE 3° CLEARANCE, THE TRES SHALL BE PLACED AT A MINIORM OF 4° FROM THE BOTTOM OF THE BAG.

TRIM EXCESS FABRIC IN THE FLOW LINE TO MITTEN 3" OF THE GRATE.

INSTALLATION NOTES

MAINTENANCE

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A. REMOVE PALET PROTECTION DEMCES CACE THE CONTRIBUTING ORAPIAGE AREA IS STABILIZED WITH APPROPRIATE VECETATION OR IMPERIOUS AREA.

WHET PROTECTION TYPE D (CAN BE INSTALLED IN ANY MILET TYPE WITH OR WITHOUT A CURB BOX AS PER HOTE ②)

MILET PROTECTION SHALL, BE, AT A MINIMUM, INSPECTED MEDILY AND BITTEN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES Q.5 HOURS OF RAIN OR MORE DURING A 24-HOUR PERIOD.

C. SCHADNI DEPOSIS SHALL BE REMOVED AND THE PAEE PROTECTION DEMOCRESCRED TO ITS DEPONAL DIMENSIONS WHEN THE SEDWENT HAS ACCUMULATED BETWEEN 1/3 TO 1/2 THE DESON DEPTH OF THE DEVOIC OWNER THE DEVOICE SHOWED OF THE DEVOICE OF THE DEV

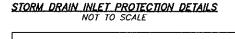
D. DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL HITO THE SALE AND MINEDE THE HITCHED TUNCTION OF THE DEVICE, ANY WATERIAL FALLING WITO THE INLET SHALL BE REMOVED.

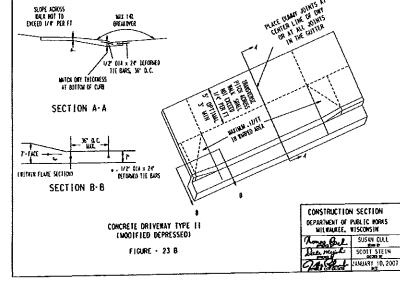
7"-3500 PSI (28 DAY COMPRESSIVE STRENGTH) AIR ENTRAINED CONCRETE

6" CRUSHED STONE BASE COURSE 1-1/4" DENSE AGG

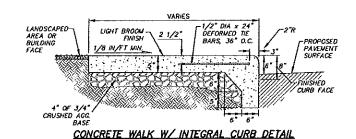
COMPACTED SUBGRADE

(4.5-7.5% AIR ENTRAINED) W/ 6"x6" W2.0xW2.0 WWF REINFORCEMENT





CITY OF MILWAUKEE DRIVEWAY ENTRANCE DETAIL

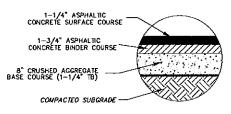


5"-3500 PSI (28 DAY COMPRESSIVE STRENGTH) AIR ENTRAINED CONCRETE (4.5-7.5% AIR ENTRAINED) COURSE 3/4" DENSE AGG COMPACTED SUBGRADE

CONCRETE SIDEWALK PAVEMENT SECTION

COMPACTED SUBGRADE -

LANDSCAPED AREAS (ALL NON-PAVED AREAS)



LIGHT DUTY ASPHALT PAVEMENT SECTION

1-1/2" ASPHALTIC CONCRETE SURFACE COURSE 2-1/2° ASPHALTIC CONCRETE BINDER COURSE 8" CRUSHED AGGREGATE BASE COURSE (1-1/4" TB) COMPACTED SUBGRADE

CONCRETE DUMPSTER PAD PAVEMENT SECTION

- USE REBAR OR STEEL ROO
FOR REMOVAL
OR
FOR HALES WITH CAST CURB
BOX USE WOOD 2 X 4',
EXTEND 10' BEVOND GRATE
WOTH OA BOTH SEES,
LEWOTH WARRES SECURE TO
GRATE WITH WHE OR
REACTOR TO

HEAVY DUTY ASPHALT PAVEMENT SECTION

18" CONCRETE CURB & GUTTER

4000 PSI CONCRETE SHALL BE USED IN CONSTRUCTION OF THE CURB & CUTTER THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SLOPE OF THE GUTTER PAN. 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSELY IN THE CURB

1/2' PREFORMED EXPANSION JOINT FILLEN SMALL BE PLACED THANSVERSELT IN THE COORD
AS FOLLOWS:

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THE PROJECT CENTER LINE.
2) AT EACH JUNCTION WITH EXISTING CONCRETE CURB OR CONCRETE CURB & GUTTER.
3) AT EACH JUNCTION WITH EXISTING CONCRETE SIGEWALK, TO THE DEPTH OF THE SIDEWALK.

NOT TO SCALE

HIGH-SIDE CURE

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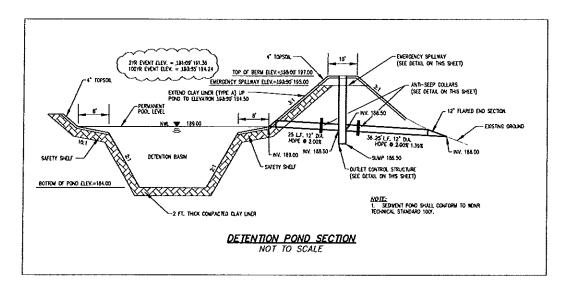
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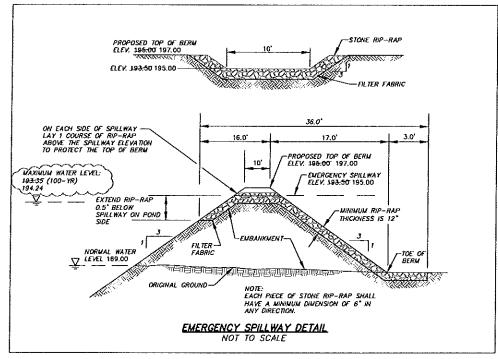
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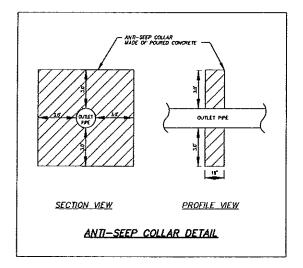
16746 W. Bluemound Road. M2-781-1000 Fax 262-781-8464

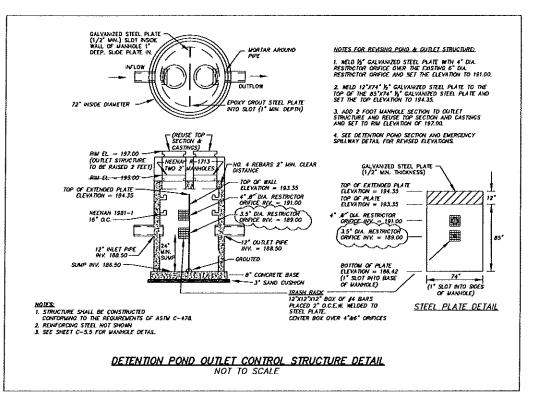
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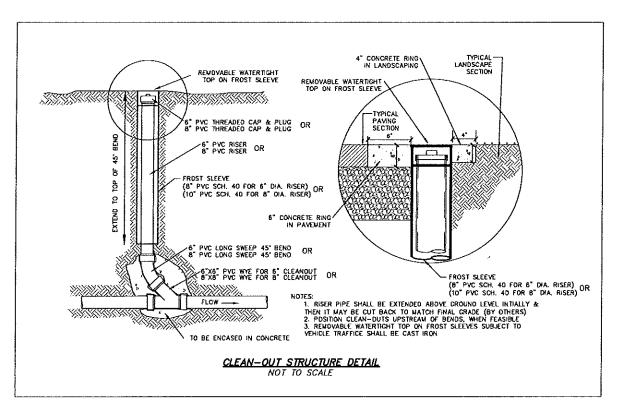
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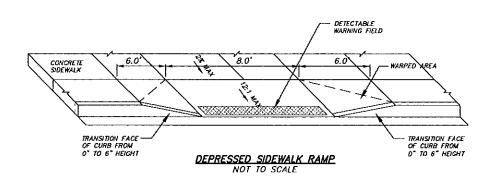
RUSS DARROW NISSAN CITY OF MILWAUKEE, WISCONSIN DETAILS

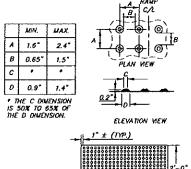
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DATE: 12-19-11

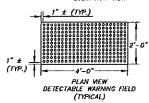
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JOB NO. 3020273.04

PROJECT MANAGER:
RYAN LANCOUR, P.E.
DESIGNED BY: RTP
CHECKED BY: RJE

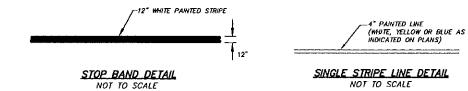
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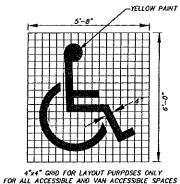




DETECTABLE WARNING FIELD (TRUNCATED DOMES)

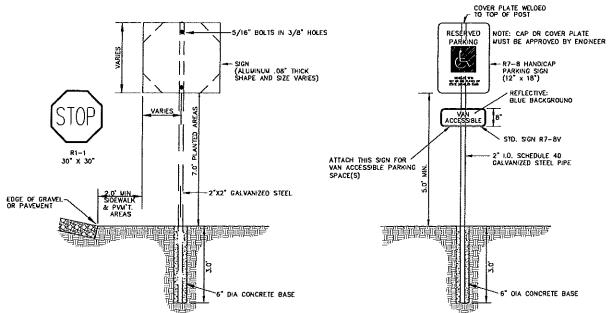


TRAFFIC CONTROL SIGNS



HANDICAP PAINTED SYMBOL NOT TO SCALE

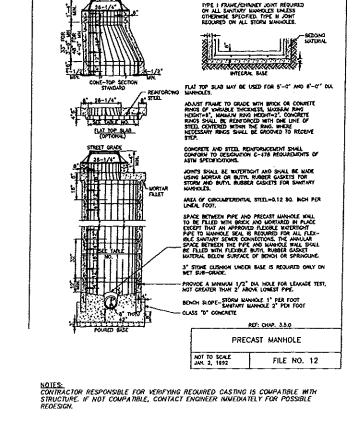
ACCESSIBLE PARKING STRIPING NOT TO SCALE



SIGN AND POST INSTALLATION NOT TO SCALE

ACCESSIBLE PARKING SIGNS





WILE'S FOR ALL INLETS REFER TO FILE NO. 12 (STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, DETAIL ABOVE) EXCEPT:

- A. USE NEENAH CASTING R-3067-C ON INLETS R-11, R-11A, R-12 & R-13.
 B. USE NEENAH CASTING R-2557-G ON INLETS R-15 & R-16.
 C. USE NEENAH CASTING R-2580-C ON INLET R-14.
 D. REFER TO UTILITY PLAN, SHEET C-41, FOR PROPOSED INLET DAMETERS.

MANHOLES
FOR ALL MANHOLES REFER TO FILE No. 12 (STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, DETAIL ABOVE) EXCEPT:

- A. USE NEENAH CASTING R-1830 ON ALL PROPOSED STORM MANHOLES. B. REFER TO UTILITY PLAN, SHEET C-4.1, FOR PROPOSED MANHOLE DIAMETERS.

MANHOLE AND INLET DETAIL NOT TO SCALE

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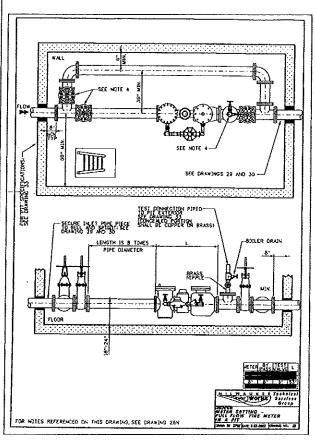
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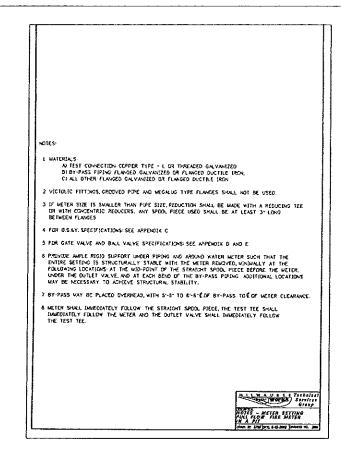
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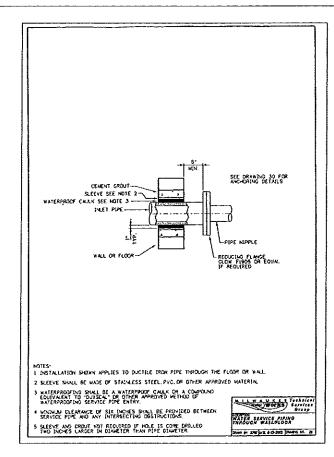
PROJECT WANAGER: RYAN LANCOUR, P.E. DESIGNED BY: RTP

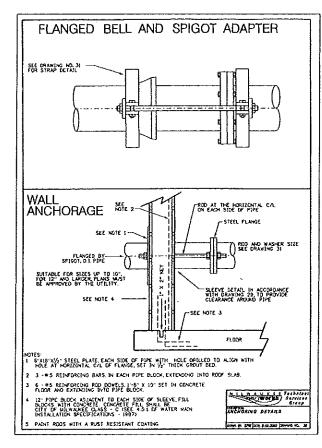
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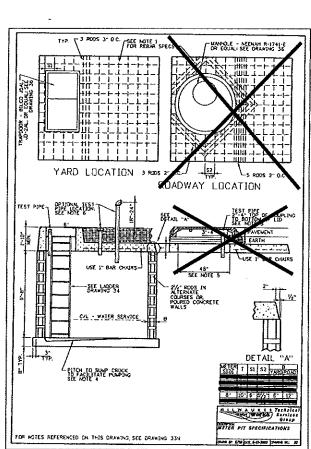
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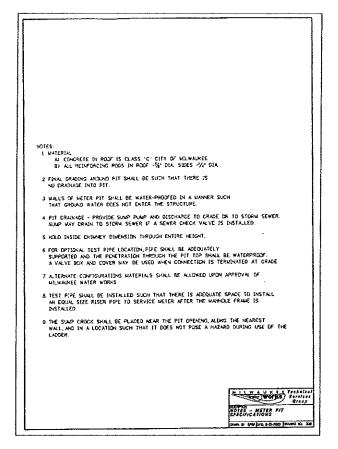


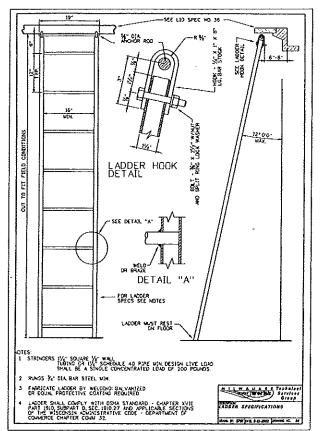


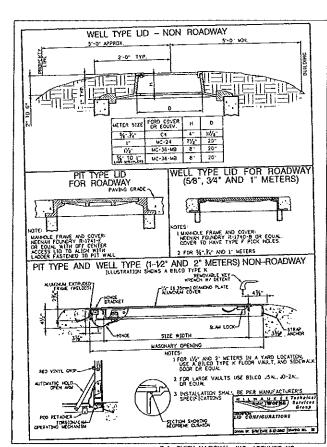












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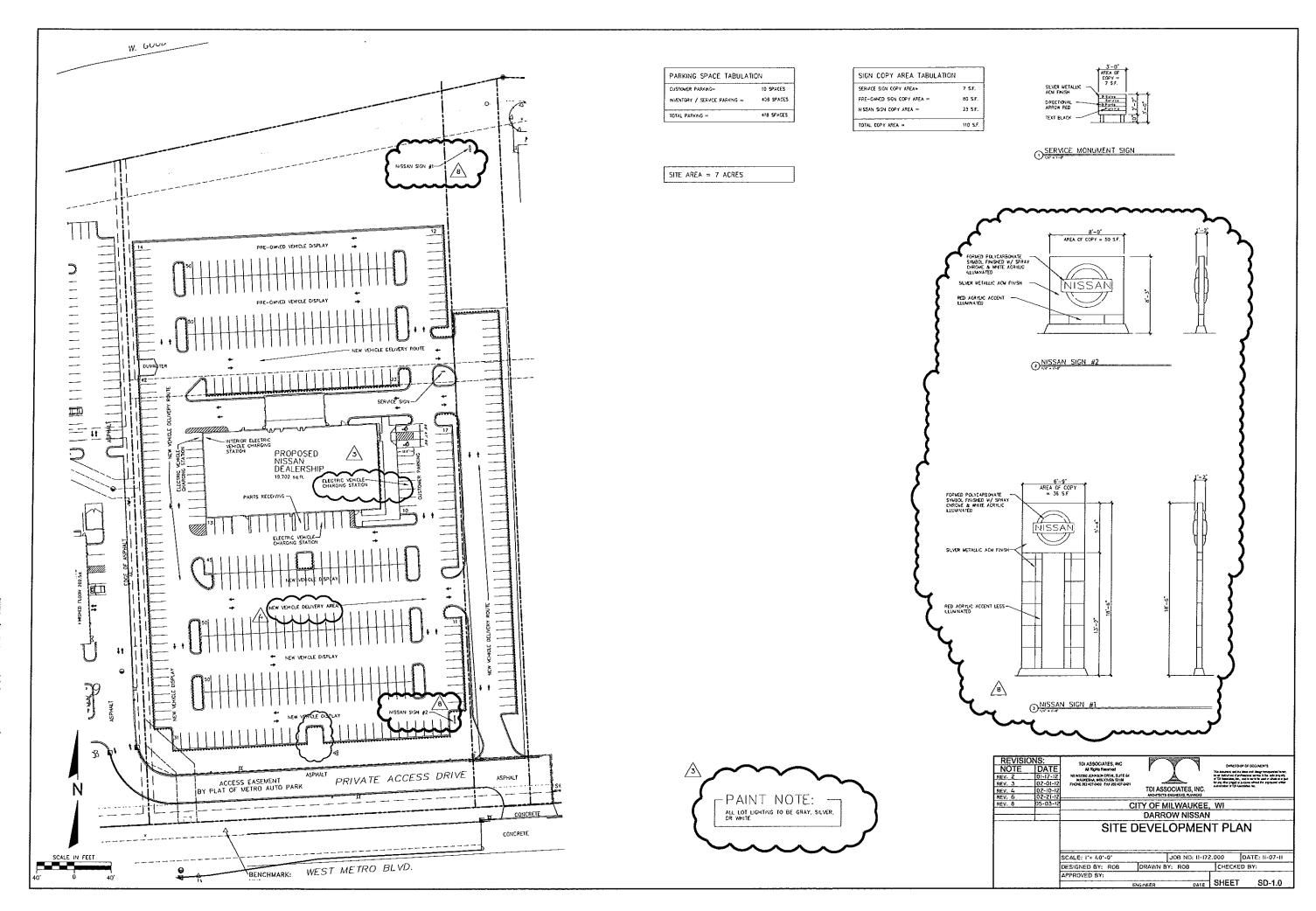
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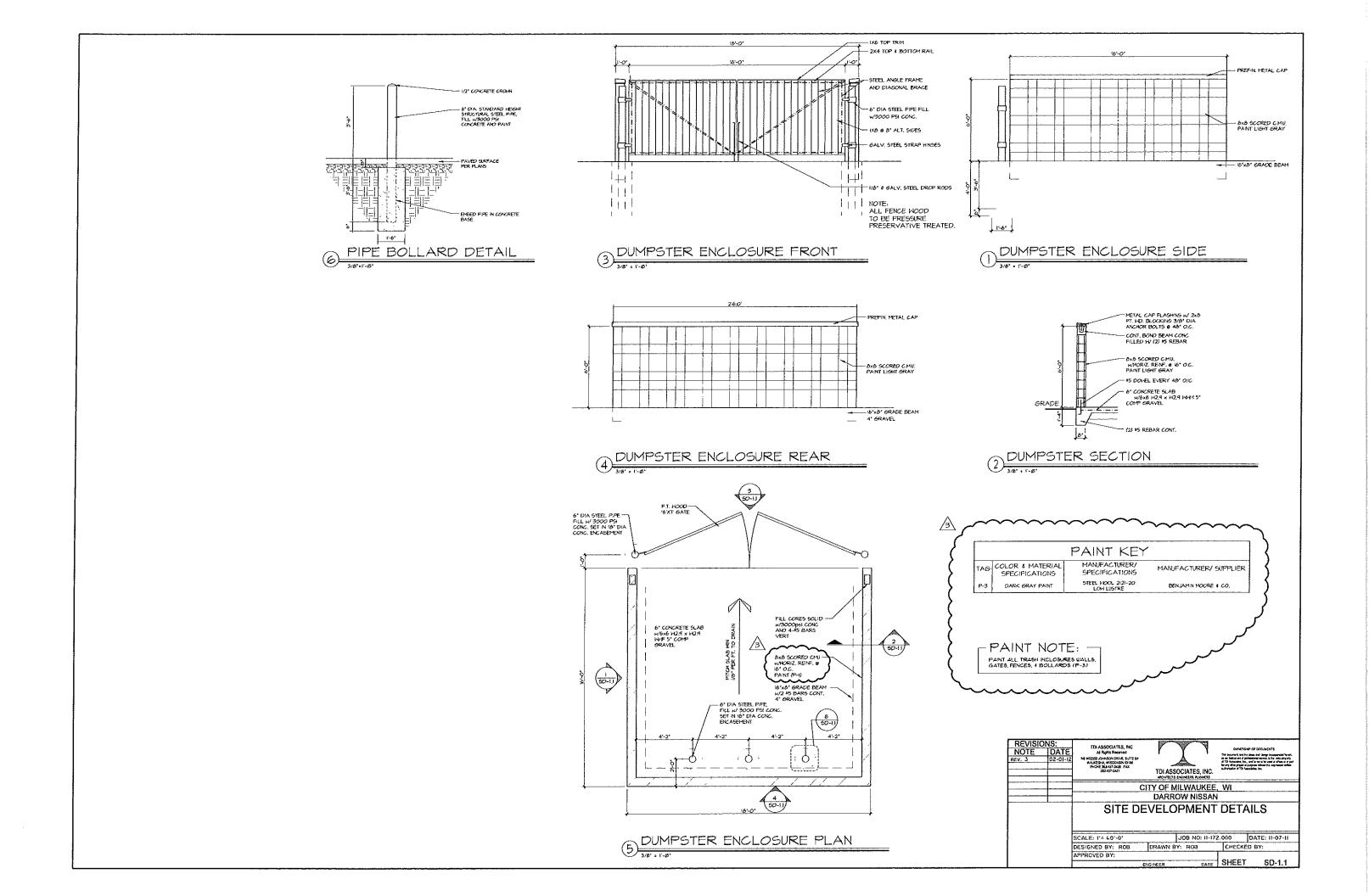
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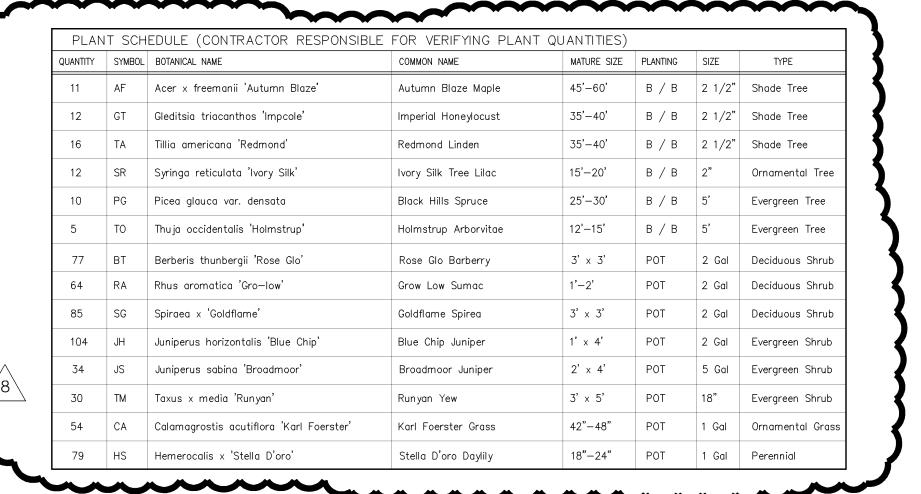
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SHEET NUMBER C - 5.6



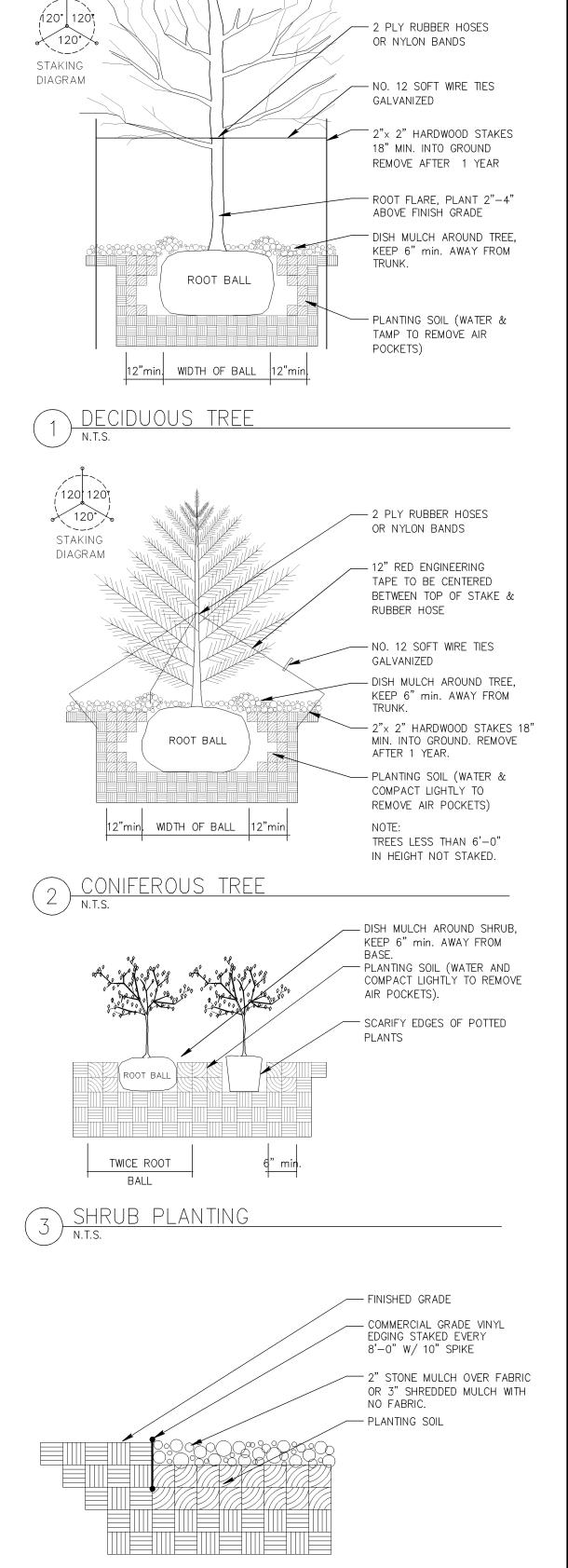


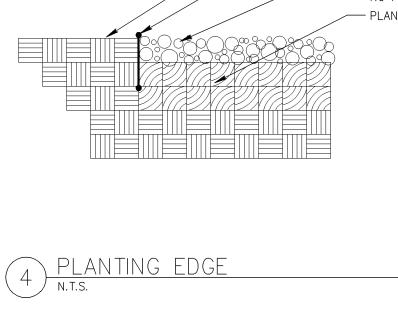


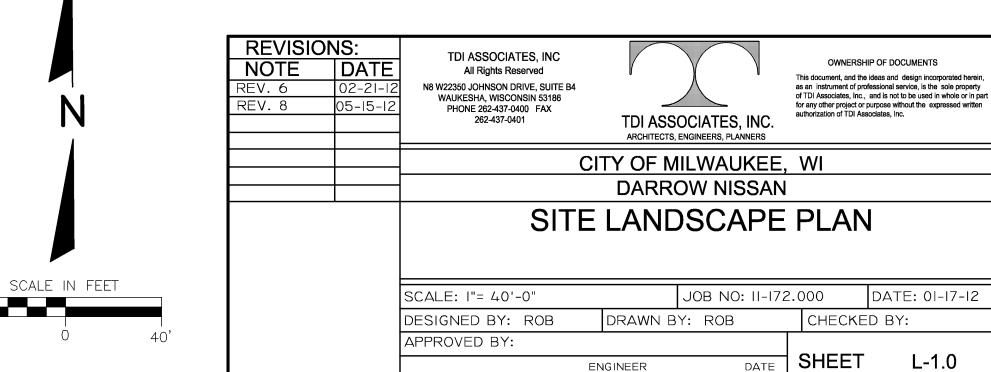
GENERAL NOTES:

- 1.) ALL FINISHED GRADES TO BE 1" BELOW TOP OF CURBS OR PAVEMENT.
- 2.) BACKFILL AND GRADE ALL PLANTING AREAS WITH MIN. 12" BLENDED TOPSOIL.
- 3.) ALL LAWN AREAS TO BE SEED UNLESS OTHERWISE NOTED.
- 4.) ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN STANDARD FOR NURSERY STOCK. 5.) ALL TREES NOT IN A PLANTING BED SHALL BE MULCHED WITH A MINIMUM 1' RADIUS
- FOR EACH 1 INCH CALIPER. USE SHREDDED HARDWOOD MULCH AT 2" DEPTH. 6.) PROVIDE MIN. 2 YEAR WARRANTY ON ALL PLANT MATERIAL.
- 7.) ALL PLANTING BEDS TO BE EDGED WITH COMMERCIAL GRADE PLASTIC EDGING.
- 8.) ALL PLANTING BEDS TO BE MULCHED AT 2" DEPTH WITH STONE MULCH

LANDSCAPE PLANTINGS PER TABLE 295-405 TYPE A: ALONG STREET





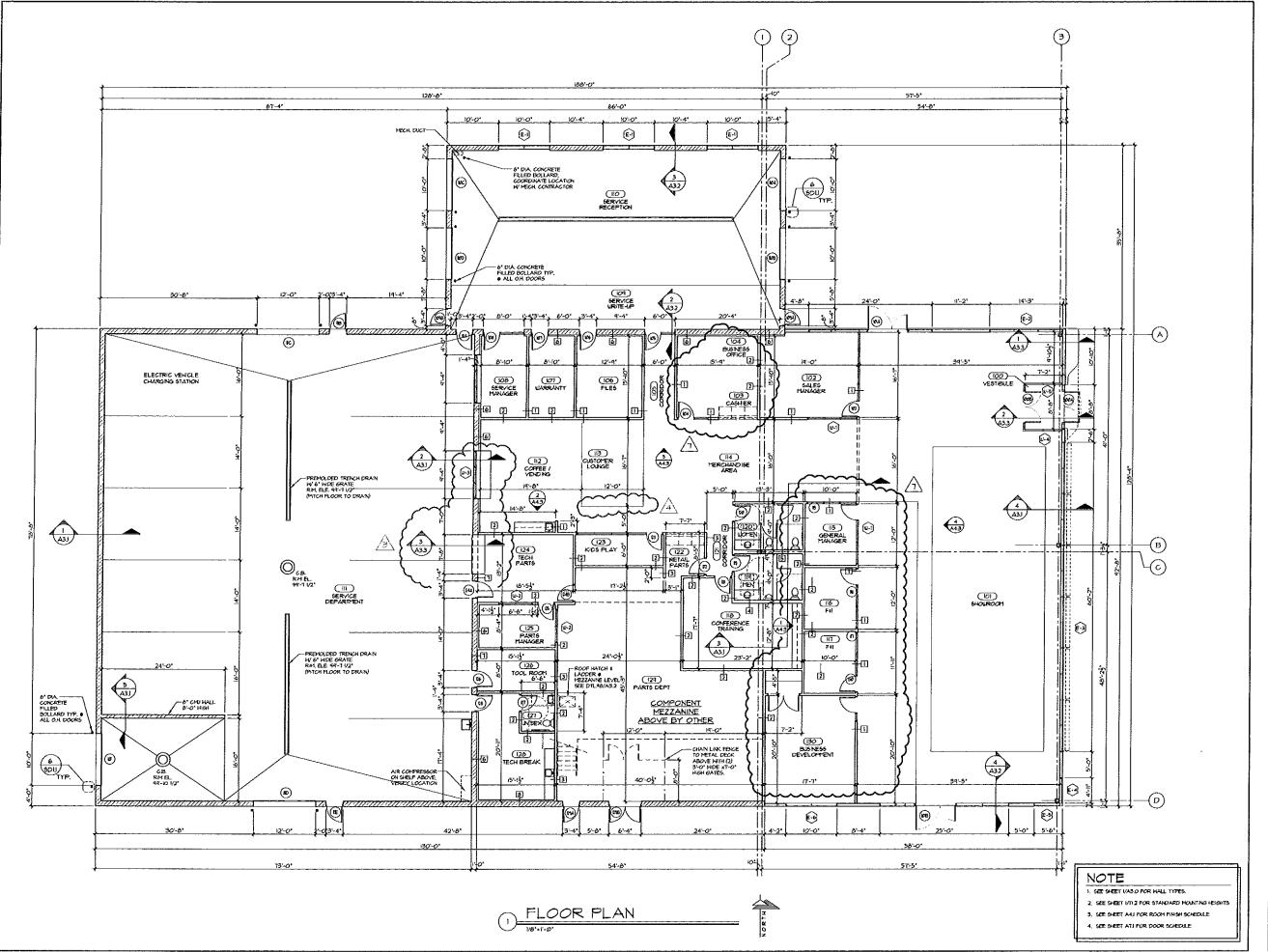


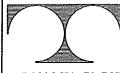
SEED MIX # 1 (Lawn)

KENTUCKY BLUEGRASS CREEPING RED FESCUE IMPROVED HARD FESCUE

APPLICATION RATE: 2lbs/1000 Sq. Ft. * APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING TURF STARTER FERTILIZER: 20-10-10 APPLICATION RATE: 5lbs/1000 Sq. Ft.

IMPROVED FINE PERENNIAL RYEGRASS





TDI ASSOCIATES, INC. ARCHITECTS, ENGINEERS, PLANNERS

N8 W22350 JOHNSON DRIVE, SUITE B4 WAUKESHA, WISCONSIN 53186 PHONE 262-437-0400 FAX 262-437-0401



PROFESSIONAL CONSULTANTS, INC.

300 COTTONWOOD AVE # 7 HARTLAND, WISCONSIN 53029 (262) 367-6080

RUSS DARROW NISSAN
METRO AUTO PARK
11212 WEST METRO BOULEVARD
MILWAUKEE, MISCONSIN

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Sheet Title

FLOOR PLAN

Date:
01-06-2012
Øi-17-2Ø12
02-01-2012
02-10-2012
04-11-2012

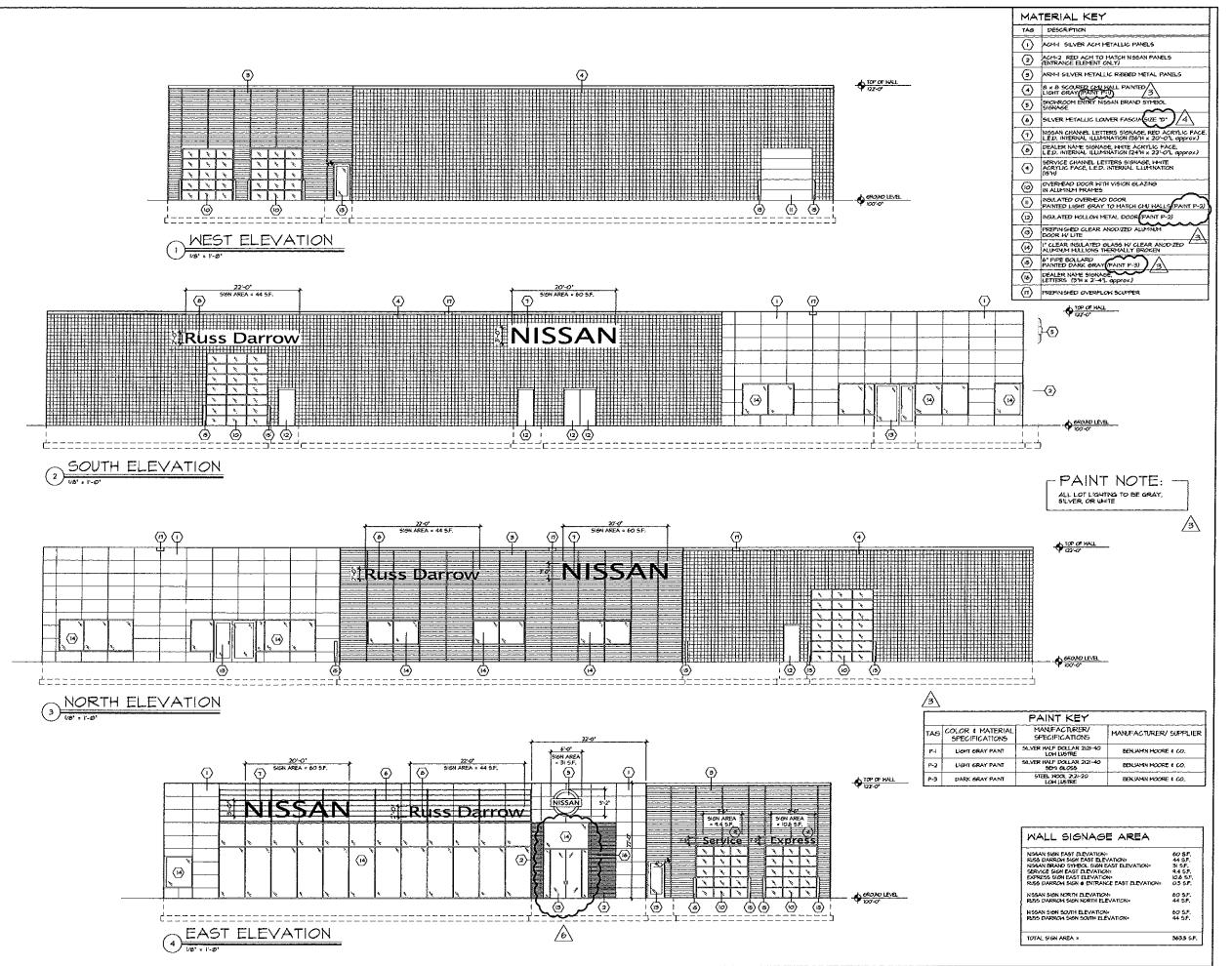
Date: 11-07-2011

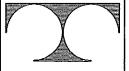
Job NO.: 11172.000

Drown By: RJH

Sheet No.

A1.1





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Sheet Title EXTERIOR ELEVATIONS

REV - 2 Ø1-11-2012
REV - 3 Ø2-Ø1-2012
REV - 4 Ø2-IØ-2012
REV - 6 Ø2-21-2012

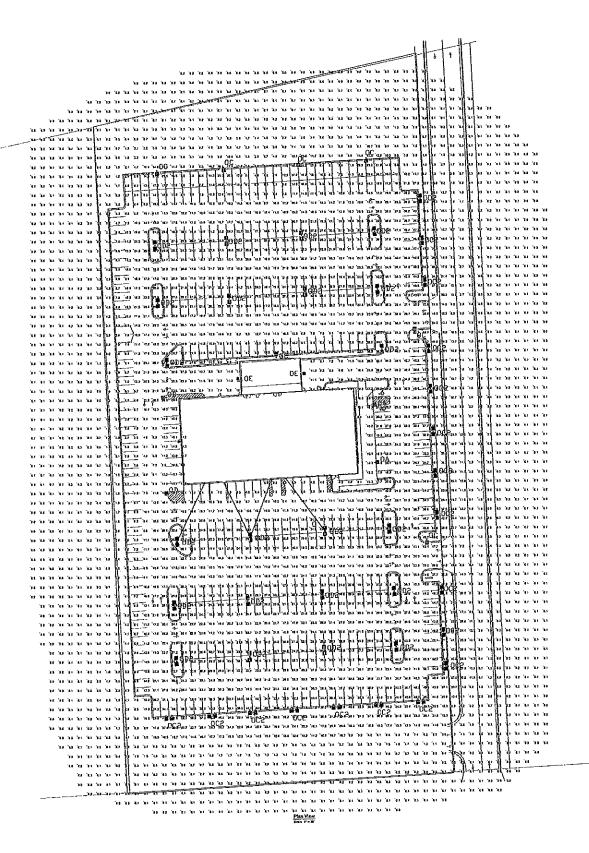
Date: !1-07-2011

Job NO.: !1172.000

Drawn By: RJH

Sheet No.

A2.



STATISTICS						
Cerc/plan	Byokvi	A-3	Nex	Ma	Stantin .	Arginia
Cele Zaza #1	+	111 t	en e	\$,0 fg	N/A	ä/A
FRONT ROW	+	416	DJ (s	27.2 ft	2.3:1	LET
ictory	+	21.15	117%	2.1 %	29.54	1.53

أدفعوا	Label	Cy	Catalog Rust ter	Destriplica	Latey	FSe	Personal	ш	Field
ŗ.	O.A.	2	ECA13-1-24 152061	ECOLUME	CLEAR HEARITHTAL TARNIH RATEO FOR HERRI LUMBAS	ECA7524 (3004.br)	105555	B72	1280
·	oc	,	ECASS NO	ECCLUME	OLEAR HORIZONTAL MIZNEY RATED FOR MICHOELLWENS	ECAMINA SOCOMINA	125070	632	1523
•	003	19	ECATA SFA	ECOLUNE	CLEAR HORIZONTAL SCHOOL RATED FOR 1050NE LUMENS	ECAZZEH- NECKAM	12300B	Q.71	2150
ė	00	2	ECAT FOR	ECCLUME	CLEAR HORSTONTAL HERSEN RUTED FOR 106300 LUMPAS	ECAZI-ON 10000/At	105060	0.72	1010
2	003	12	ECYT2 1-04	ECOTING	CLEAR HORIZONTAL HORIZON RATED FOR HORIZO LUMENS	ECAZI-O4 19300List	105000	2.72	1150
ŧ	Œ	,	ECATS FIS-	COUNT	OLEAR HORRONTAL OCCUPANTA NOTO FOR OUTS LUMENS	ECATAFR ADEP. Int	47536	432	451
	Α.	٠	f St. 13KH I NOC	DAYSHTE LARGE FLOODLANT	10.70444	FSL GORPA'S	119020	0.72	1043

	AIRE LO	,	Location						Alm T	
Ba.	(ebai	¥	Υ	2	WH.	Carlemation	TEL		Ť	ż
1	OC2	309.5	Br.	E 3	25.3	177.5	<u>ca</u>			
ī_	\$ ≎₹	125.5	425.6	#1	25.3	177.5	E.S			
	OCS	121.6	372.5	243	253	177.5	0.0			
-	OC2	125.5	334,0	313	75.3	1774				
5	003	327.0	MED	26.3	33	177.4	L.			
<u>. </u>	OC5	331.0	201.6	25.3	21.3	177.0	85		•	
<u>-</u> -	cc≥	2312	671 F	813 182	24.2	174.0	4.0	캠니	D\$4	4.0
•	20	578.5	SC1.0	26.3	14.1	57E.0	0.4	(7).1	827.4	20
19	oc	513	84.0	25.3	28.2	174.0	6.0	SIL1	651	a.j
11	oc .	21.0	691.0	43	77 1	179.0	2.5	251	(51.1	0.0
12	092	240	Se 1.0	25.3	24.5	40	2.0			
11	921	250.0	£24.0	753	21.3	49	0.0			
14	001	27.5	3115	71.3	25.3	-46	4			
15	001	2710	532.0	24.3	21.3	49 _	44			
H	001	316	454.0	21.1	24.5	40	0.0			
17	00	155.0	450.0	26.3	26.3	40	0.2	1545	411.4	6.3
ц	005	254.0	4EE 0	517	28.5	4.0	0.0		_	
73	202	49.0	281.0	21.5	14.3	- 48	0.2			
20	401	276.0	271.0	83	28.1	40	6.5			
21	OCS .	45.0	155.0	25.3	28.5	-41	C.Ş			
21	001	2114	355.0	सर	26.3	41	to			
23	001	47.0	136.0	21.7	H.3	-41	0.0			
34	602	5870	1493	26.3	213	-43 H.1	0.0	251.0	346.1	0.0
25	CA_	254.0	346.5	1L3	26.3	41.0 	2.0	152.6	#\$.1	2.0
26	CA.	257.0	141.0	26.3	70.0	32.0		783 4	442.1	0.0
27	ÇE.		447.0	22.5	20.0	305.0	0,5	1142	437.5	0.0
स	CE.	111.0 30.0	CILI.	28 3	24.3	264.0	0.5	34.4	417.6	6.5
14	63	49.0	372.0	23	2L3	F#.0	0.0	384	214.9	8.5
31	C/E	87.0	321.6	26.5	20.6	254.9	0.0	51,9	270.9	0.9
32	001	314.0	579.6	31.3	24.5	177.0	6.0		-	
33	001	371.0	144.0	21.5	24.5	177.0	84			
24	002	234.2	1945	21.3	24.3	127.0	1.1			
35	003	31£3	613	24.3	26 3	527.A	2.0			
36	00	3070	4.10	24.1	20.0	-40	ы	3023	47.4	8.0
37	65	3:1.0	2120	21.5	23,6	175.0	0.0	1445	251.4	0.0
26	CCZ	72.5	75.4	26.5	21.3	267.0	8.8			
24	oc:	MIC	21.0	24.3	21.5	287.5	0.0			
20	007	47LD	14.0	26.3	H 3	257 B	0.5			
41	002	1748	122	i.e	#3	142.0				
q	OC5	2123	15.9	26.3	26.3	207.5	5.5			
45	OC1	254.0	[F.5	26.3	24.3	247.5	D 6			
44	021	300.0	PL3	26.3	21.3	187.0	0.0			
42	- CO1	104	357.0	313	23.3	-13	- <u>11</u> - La			
45	601	125.0	1433	34.3	113	41	D 3			
47	001	1340	173.5	3E.3	21.3	45	9.0			
17	CO2	207.0	148.0	223	11.3	-43	13			
50	502	204.0	225.0	B)	- 11.3	-4.9	4.0			
51	002	121.5	985.0	143 143	24.3	44	4.0			
31	002	201.5	123.0	213	25.3	-40	1.0			
£7	001	H2.5	597.1	21.5	221	40	6.3		-	
\$4	001	161.5	512.6	25.7	263	40	0.0			
45		41.5	1470	22.0	20.5	\$5.5	95 C	74.0	316.0	143
55	A .	(2) 0	247.5	21.0	10.0	41.2	144	51.0	325 F	140
*	A .	127.0	247.0	28.0	13,5	20.4	141	150.0	327.0	14.0

DARROW NISSAN

Designe EH Date

Oct 11 2011 Scale 35X48 PAPER Drawing No.

1 of 1

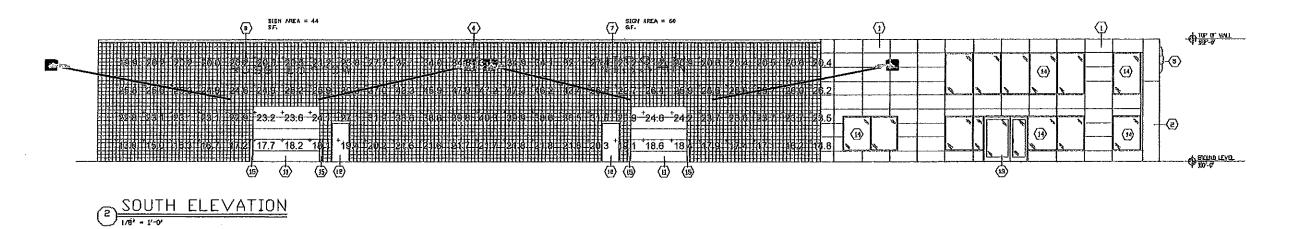
Designer

Date Oct 10 2011

Scale 11X17 PAPER

Drawing No.

1 of 1



South Elevation

Scale 1" = 16'

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	26.1 fc	47.3 fc	13.8 fc	3.4:1	1.9:1

LUMI	NAIRE	SCI	HEDULE						
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	С	4	FSL10XM-MHP	DAYBRITE LARGE FLOODLIGHT	1000MH	FSL1MMHP.ie s	110000	0.72	1100

			Location						Alm	
No.	Label	Х	Υ	Z	МН	Orientation	Tilt	Х	Υ	Z
1	С	691.0	-484.0	20.0	20.0	28.1	85.0	723.0	-424.0	14.0
2	С	766.0	-484.0	20.0	20.0	-24.2	84.8	739.0	-424.0	14.0
3	С	842.0	-484.0	20.0	20.0	-28.1	85.0	810.0	-424.0	14.0
4	С	770.0	-484.0	20.0	20.0	22.6	84.7	795.0	-424.0	14.0

Type: Notes:	Job:	
Notes:	Туре:	
	Notes:	

Emco

Ecolume and Decolume

Page 1 of 3

Arm Mount and Wall Mount

Ecolume and Decolume are rectilinear arm-mounted area luminaires, also suitable for wall mounting. The precision segmented optical systems provide required light levels, even illumination, wide pole spacings and glare control. The housing is dieformed and the door frame is extruded aluminum. The luminaire is completely sealed and gasketed, preventing intrusion from moisture, insects and contaminants. Decolume luminaires feature three (3) decorative ribs along the lower portion of the housing. The ribs are permanent design elements, an integral part of the dieformed housing. Decolume luminaires may be specified with factory applied color accents which nest in the twin reveals at the lower end of the housing.

Ecolume

Decolume

Flat glass lens luminaires provide full cutoff performance. Sag lens Luminaires using 3V/QV optics set to lower socket position or Mallmaster® optics provide semi-cutoff performance. Other sag lens luminaires provide cutoff performance.

PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
				_		
	o the appropriate box above below for exclusions and lin				and canfigurations	

PREFIX

	<u>Ecolume</u>	<u>Decolume</u>	
	ECA14	DECA14	14" Square Luminaire
Arm Mount to Pole*	ECA18	DECA18	18" Square Luminalre
	ECA23	DECA23	23" Square Luminaire
	ECW14	DECW14	14" Square Luminaire
Direct Wall Mount	ECW18	DECW18	18" Square Luminaire
rioune	ECW23	DECW23	23" Square Luminaire
	ECWA14	DECWA14	14" Square Luminaire
Wall Mount with Arm	ECWA18	DECWA18	18" Square Luminaire
***************************************	ECWA23	DECWA23	23" Square Luminaire

MOUNTING

I Single Pole Mount
Twin Pole Mount at 180°
2@90° Twin Pole Mount at 90°
3 3-way Pole Mount at 90°
3@120° 3-way Pole Mount at 120°
4 4-way Pole Mount

Use "I" for wall mounted units.

DISTRIBUTION

Horizontal Lamp

2H Type ii 3H Type iii

FH Type IV Forward Throw

BLC Backlight Control (18" only. 400MH/PSMH requires BT28/E28 lamp.)

QH Type V

Vertical Lamp

3V¹²³ Type III Vertical Lamp

FV¹³ Type IV Forward Throw Vertical Lamp

QV^{1,2,3} Type V Vertical Lamp

3V-RNC¹² Type III Vertical Lamp, Reduced Nadir Candlepower (23" only)
QV-RNC¹² Type V Vertical Lamp, Reduced Nadir Candlepower (23" only)
RNC (Reduced Nadir Candlepower) optics should be specified only in applications requiring extreme maximum to minimum uniformity ratios (5 ta 1 ar lower). Reduced luminoire efficiency with RNC optics will result in lower average footcandle levels.

3SV' Type III Vertical Lamp Mallmaster® Semi-cutoff (23" only)
QSV' Type V Vertical Lamp Mallmaster® Semi-cutoff (23" only)

notification as part of the company's continuing product improvement program.

- 1. 14" and 18" luminoires with vertical lamp optics are supplied standard with high temperature resistant thermaplastic sag lens.
 23" luminoires with vertical lamp optics are supplied standard with a sag glass lens.
- 2. 18" and 23" 3V/QV optical systems feature an upper (foctory set) cutoff socket position. For wider spacings, a lower (field adjustable) semi-cutoff socket position may be set.
- 14" vertical lamp aptics require a medium bose lamp.
 Not Available with 480V.

1611 Clovis Barker Road, San Marcos, TX 78666
(800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 sitelighting.com
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Philips Gardco reserves the right to change materials or modify the design of its product without

G GARDCO

PHILIPS

79215-50/0811

Job:			
Туре:			
Notes:			
140662			

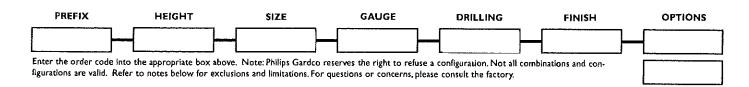
Poles

Page I of 4

5" / 6" Straight Square Steel

The Philips Gardoo SSS straight steel pole consists of a one-piece square fabricated steel lighting standard. The carbon steel base plate is secured to the shaft with a continuous circumferential weld providing excellent strength and integrity. The poles are finished with an electrostatically applied, thermally cured TGIC polyester powdercoat. All poles include anchor bolts, full base cover, hand hole, ground lug and top cap.





PREFIX	HEIGHT	SIZE	GAUGE	DRILLI	NG	
SSSS	20'	5"	7	DI	l Way	
SSS6	25'	6"	11	D2	2 Way	
	30'			D2@90	2 Way at 90°	
	35' 40'			D3	3 Way	
	10			D4	4 Way	
				Т2	2 3/8" OD Tenon	
				T4	4" OD Tenon	

FI	Ν	IS	Н	

79415-18/0611

OPTIONS

LIIA12		OPTIC	<u> РИЗ </u>					
PP BRP	Prime Painted Bronze Paint	FES AHH	AHH Additional Hand Hole base and a		Outlets and Additional Hand Holes, indicate height above orientation to original hand hole. See Pole Orientation on Page 4.			
BLP	Black Paint	Couplin	Couplings			Motion Response Provisions		
WP	White Paint	•	Indicate size (1/2", 3/4", 1", 1 1/4", 1 1/2".) Indicate height above base and orientation to hand hole. See Pole Orientataion Information on Page 4.		GMR	Provision for Gardco HID		
NP	Natural Aluminum Paint	height ob				Motion Response System		
G۷	Galvanized (No Point)				Minimum Pole Height is 18'. Includes o 1/2" couplin			
FPGV	GV Finished Paint over Galvanized (specify color)	CL	Coupling - Internal thread	1	ploced 180° to	o the hand hale, 12t obove the pole base.		
		Single M	Single Mount Bullhorn Brackets		MSM	Motion Sensor Mounting		
oc	Optional Color Paint		neight above base and orientation Pole Orientation Information on P			Provision for LED Luminaires available with Motion Response		
	Specify RAL designation ex: OC-RAL7024.	GM-080-19 Single - 1,9" OD				Height is 18. Includes a special hand		
sc	Special Color Bains	GM-08	GM-080-24 Single - 24" OD hole wi			ole with 1/2" coupling placed in the cover plate, 180° of the hand hole, 15' obove the pole base.		
,.	Special Color Paint Specify. Must supply color chip.				, , , , , , , , , , , , , , , , , , ,			
			Refer to Steel Pole Acc	essories shee	sories sheet 79415-26 for additional accesso			

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