PART 1 ROAD PLANS SHEET NUMBERS TITLE _____ 1 MISCELLANEOUS DETAIL _____ 2-4 NOTE SHEET._____ 5 LEGEND SHEET _____ 6 PLAN & PROFILE _____ 7 WIRING DIAGRAM _____ 8 TITLE SHEET LEGEND PROPOSED PROJECT -----EXISTING ROADS PAVED -----SECTION LINE ----- -COUNTY LINE ----- --- ---

CITY OR VILLAGE LIMITS

DETOUR ROUTE ----- = = = = = = =

RAILROADS -----

MICHIGAN DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

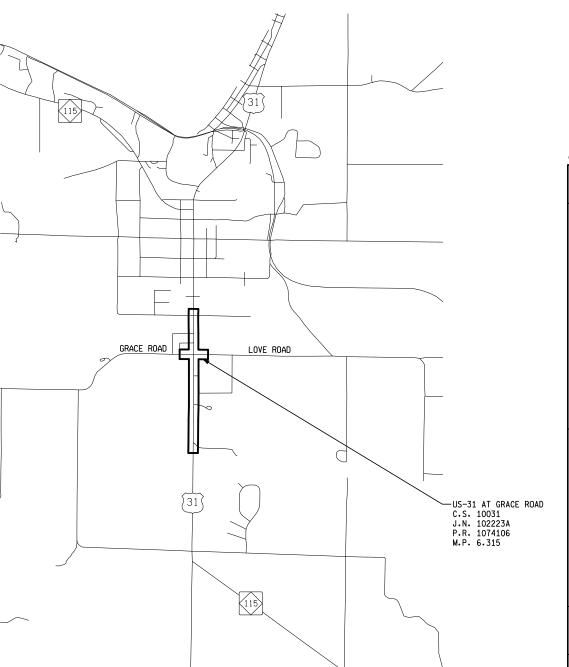
MICHIGAN PROJECT

CONTROL SECTION 10031

JOB NUMBER 102223A

US-31

BENZIE COUNTY
BENZONIA TOWNSHIP



THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2003 STANDARD SPECIFICATIONS FOR CONSTRUCTION. PR #, CS & MILEPOST ARE FROM MGF

	US-31
	YEAR
	2007
A.D.T	10000
D.H.V	842
COMM. %	6
DESIGN SPEED/POSTED SPEED	50/45

10031,75051-102223A

			CON
.764 MILES			
CONTRACT FOR:			•
THESE PLANS MICHIGAN DEPAR	WERE PREPAREI TMENT OF TRAI BY		
	760		
No.	DATE		
	APPROVAL	s	
RECOMMENDED	T MANAGER -	, P.E.	DATE
FOR APPROVAL	Y ENGINEER -	, P.E.	DATE
	MICHIG	AN	
DEPARTMEN KIRK		RANSPOR	TATION
APPROVED BY			

ENGINEER OF DEVELOPMENT - MARK A. VAN PORT FLEET, P.E.

JOB NUMBER

102223A

DESIGN UNIT

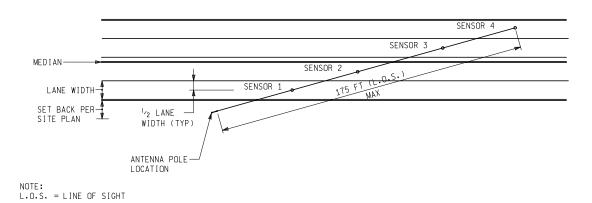
PROJECT LOCATION (TSC)

FEDERAL NUMBERS
PROJECT ITEM

MDOT

CONTROL SECTION

10031

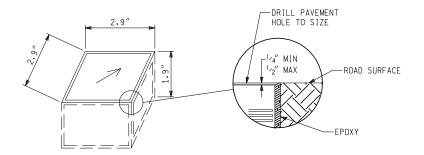


PLAN VIEW
SCALE: NTS

WIRELESS VEHICLE SENSOR NODE TYPICAL SITE PLAN DESIGN

OTE:

WIRELESS VEHICLE SENSOR NODE PLACEMENT IS TYPICAL AND SHOWN TO DEPICT MAXIMUM ALLOWABLE DISTANCE FROM THE ACCESS POINT. THE WIRELESS VEHICLE SENSOR NODE MUST BE PLACED IN THE CENTER OF EACH TRAVEL LANE (DETECTION ZONE) OR AS SHOWN ON PLANS.



TYPICAL WIRELESS VEHICLE SENSOR NODE SCALE: NTS

NOTES:

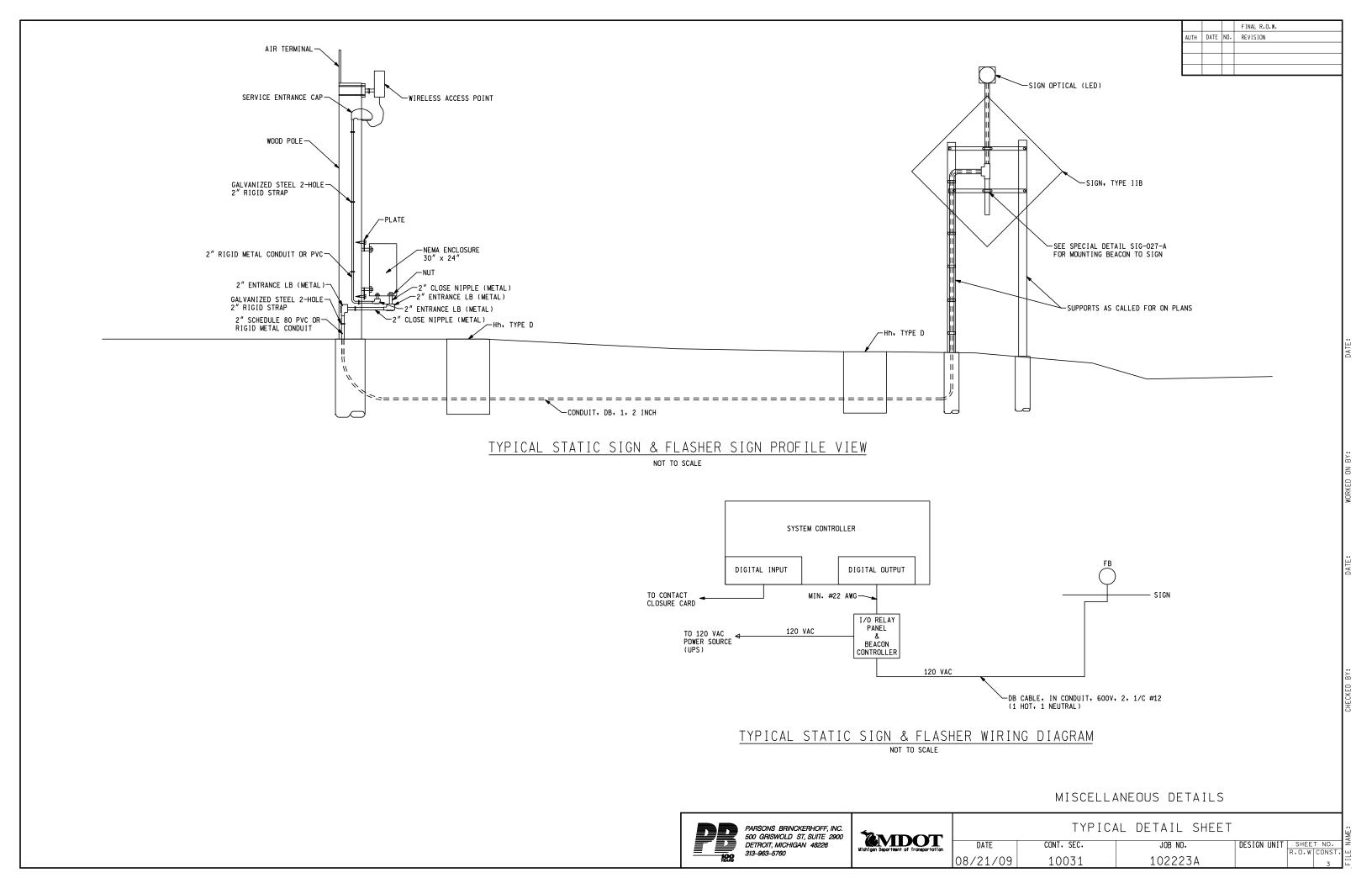
PLACE VEHICLE SENSOR WITH ARROW POINTING IN DIRECTION OF TRAVEL.

HOLE MUST BE FILLED WITH APPROPRIATE FLEXIBLE SEALANT AS RECOMMENDED BY MANUFACTURER.

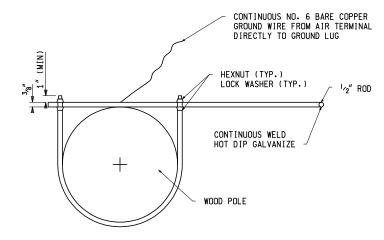




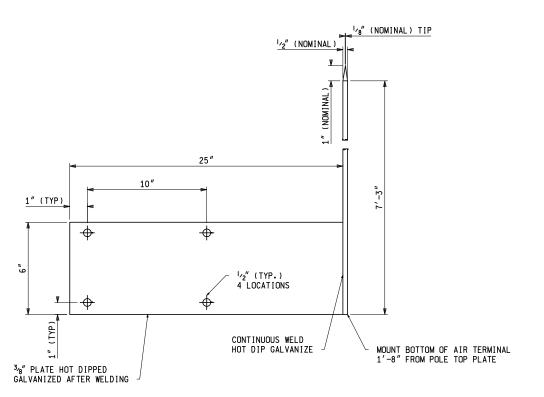
TYPIC	AL	WIRELESS	VEHICLE	SENSOR	NODE	DE	TAI	LS	NAME:
DATE		CONT. SEC.	JOB	NO.	DESIGN				
8/21/09		10031	102	223A			R.O.W	CONST. 2	FILE



			FINAL R.O.W.
AUTH	DATE	NO.	REVISION



AIR TERMINAL ON WOOD POLE (TOP VIEW) NOT TO SCALE



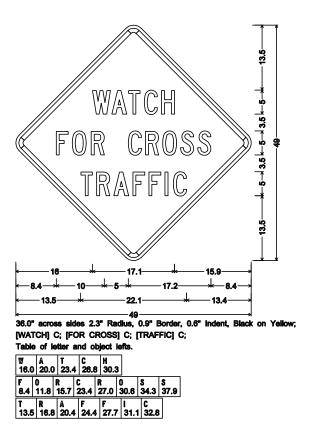
AIR TERMINAL (SIDE VIEW)
NOT TO SCALE

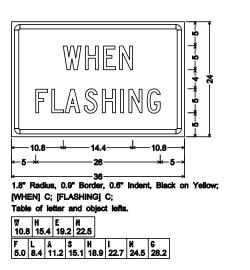




	TYPICAL	ITS	EQUIPMENT	DE.	TAIL		
DATE	CONT. SEC.		JOB NO.		DESIGN		T NO.
8/21/09	10031		102223A			K.U.W	4

			FINAL R.O.W.
AUTH	DATE	NO.	REVISION



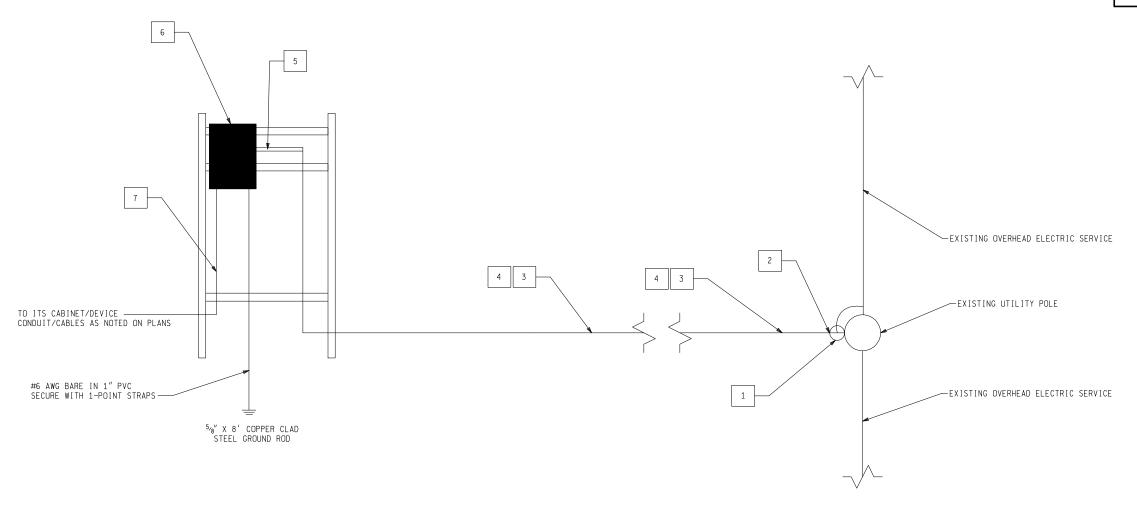


TYPICAL SIGN DETAIL

NOT TO SCALE



SIGN DETAIL SHEET							
DATE	CONT. SEC.	JOB NO.	DESIGN UNIT		T NO.		
08/21/09	10031	102223A		R.O.W	CONST.		



GENERAL NOTES

DIAGRAM DEPICTS MINIMUM EQUIPMENT NECESSARY TO PROVIDE CONNECTIVITY. AMEND THE DESIGN AS REQUIRED TO COMPLY WITH THE NATIONAL ELECTRICAL CODE, LOCAL CODES, AND REQUIREMENTS OF THE LOCAL ELECTRICAL

PROVIDE LICENSED ELECTRICIAN EXPERIENCED IN WORK DEPICTED ON PLANS.

THE PAY ITEM "POWER CO. (EST. COST TO CONTRACTOR)" CONSISTS OF LABOR, MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE POWER AT EACH SITE FROM LOCAL ELECTRICAL UTILITY SERVICE PROVIDER AS REQUIRED ON PLANS.

THE PAY ITEM "METER AND SERVICE DISCONNECT, ITS" CONSISTS OF LABOR, MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE POWER AT EACH SITE FROM LOCAL ELECTRICAL UTILITY SERVICE PROVIDER'S DEMARCATION TO EACH ITS DEVICE AS REQUIRED ON PLANS.

THE PAY ITEM "SERV DISCONNECT" CONSISTS OF LABOR, MATERIAL AND EQUIPMENT REQUIRED TO PROVIDE POWER AT EACH SITE FROM LOCAL ELECTRICAL UTILITY SERVICE PROVIDERS DEMARCATION TO EACH ITS DEVICE AS REQUIRED

SERVICE DISCONNECT CAN BE INSTALLED ON WOOD POLE. SEPARATE RACK, OR AS DIRECTED BY UTILITY COMPANY OR MDOT ENGINEER.

CODED NOTES

1. POLE-MOUNTED UTILITY-PROVIDED TRANSFORMER. SECONDARY: 120/240
VAC SINGLE-PHASE. 60 HZ.

2. CONDUIT RISER: 1-1/2" GALVANIZED RIGID CONDUIT FROM SERVICE
FEEDER CONDUIT TO 6 FEET ABOVE FINISHED GRADE. PROVIDE PLASTIC
BUSHING. SECURE CONDUIT RISER TO UTILITY POLE WITH 2-POINT
STRAPS. LOCATE STRAPS WITHIN 24" ABOVE GRADE AND WITHIN 12" FROM THE TOP OF RISER.

3. SERVICE FEEDER CONDUIT: DIRECT BURIED 1-1/2" GALVANIZED RIGID CONDUIT FROM CONDUIT RISER AT UTILITY POLE TO METER SOCKET ENCLOSURE. MINIMUM COVER: 24". SECURE VERTICAL CONDUIT LEG TO ENCLUSIONE. MINIMUM COVER: 24 - SECURE VERTICAL CONDUIT LEG TO EQUIPMENT STRUCTURE WITH 2-POINT STRAPS. LOCATE STRAPS WITHIN 24" ABOVE GRADE AND WITHIN 12" FROM THE TOP OF RISER.

4. SERVICE LATERAL: CONDUIT/CABLES AS NOTED ON PLANS. PROVIDE AN ADDITION 11-FT COILED EXTENSION AT THE POLE END.

5. SERVICE CONDUCTORS: CABLE AS NOTED ON PLANS IN MINIMUM 1-1/2 GALVANIZED RIGID CONDUIT. PROVIDE MYERS HUB FITTING AT CIRCUIT

PANEL AND METER SOCKET PANEL.

6. CIRCUIT PANEL. 100-AMP, 120/240 VAC, SINGLE-PHASE, 3-WIRE,
6-SPACE (FULL-SIZE) MAIN BREAKER PANEL. ENCLOSURE: NEMA 4X.
PROVIDE SEPARATE NEUTRAL AND GROUNDING BUS BARS BONDED AS

7. ITS CABINET CIRCUIT IN GALVANIZED RIGID CONDUIT. MINIMUM SIZE: $1^{\rm L}2^{\rm H}$ CONDUIT FROM HANDHOLE, UNLESS NOTED ON PLANS. SEE PLANS FOR CONDUIT AND CABLE.





	TYPICAL US-31	. POWER SERVICE	DETAILS	NAME:
DATE	CONT. SEC.	JOB NO.		. 1 1101
08/21/09	10031	102223A	R.O.W	CONST. 3

ENGINEERING REPORT NO	ENVIRON IMPACT STMT	
METHOD OF SURVEY		YEAR
SURVEY ORDER AERIAL SURVEY NO	SURVEY CHIEF	YEAR
		YEAR
HORIZ DATUM	VERT DATUM	
ROAD DESIGN INITIATED	COMPLETED	
PRELIMINARY PLANS BY	FINAL PLANS BY	
PLAN REVIEW BY	DATE	
FHWA AREA ENGINEER		

GENERAL PLAN NOTES

UNDERGROUND UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, 1974, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED, MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

MDOT'S FREEWAY LIGHTING SYSTEM AND OTHER MISCELLANEOUS ELECTRICAL SYSTEMS ARE NOT A PART OF MISS DIG.

THEREFORE, CONTRACTORS SHALL CONTACT THE MAINTENANCE REPRESENTATIVE AT THE MDOT REGION/TSC OFFICE TO HAVE MDOT ELECTRICAL SYSTEMS STAKED.

THE EXACT LOCATION OF POLES WILL BE DETERMINED BY THE ENGINEER.

SOIL EROSION MEASURES

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY THE ENGINEER, CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED/MULCH OR MULCH BLANKET AS DIRECTED BY THE ENGINEER.

RECREATIONAL PROPERTIES

THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR STORE ANY EQUIPMENT ON ANY PUBLIC RECREATIONAL PROPERTY, ACCESS TO THE RECREATIONAL SITE MUST BE MAINTAINED AT ALL TIMES.

SEED MIXTURE

THE SYMBOL FOR THE PERMANENT TURF SEED MIXTURE ON THIS PROJECT IS SYMBOL

UTILITIES

GAS

CABLE TV

TELECOM

ELECTRIC

TELECOM

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED ON OUR SURVEYS DATED , 20 . THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

NAME OF OWNER KIND OF UTILITY

CS 10031

CONSUMERS ENERGY COMPANY ELECTRIC ATTN: GREG MORTENSEN 821 HASTINGS ST. TRAVERSE CITY, MI 49686 231-929-6242 CHERRYLAND ELECTRIC CO. ELECTRIC ATTN: FRANK SIEPKER

5930 US-31 S., P.O. BOX 298 GRAWN. MI 49637 231-486-9220 DTE ENERGY/MICH CON GAS COMPANY

ATTN: KEN LAKE 1250 MICH CON LANE, S.W. P.O. BOX 279 KALKASKA, MI 49646

231-2583785 CHARTER COMMUNICATIONS ATTN: RICK ROUSSEAU

701 SOUTH AIRPORT RD. TRAVERSE CITY, MI 49686 231-929-7012 EXT. 100 AT&T (SBC)

ATTN: CHUCK HELMBOLDT 142 E. STATE ST., FLOOR 2 WEST TRAVERSE CITY, MI 49684 231-941-2755

CS 75051 UPPER PENINSULA POWER COMPANY ATTN: TIM TIENAN 225 EAST MUNISING AVENUE, P.O. BOX 9 MUNISING, MI 49862

906-485-2875 ATTN: MICHAEL ANDERSON

310 WEST 7TH SAULT STE MARIE, MI 49783 906-632-9901

NOTES APPLYING TO ROAD AND BRIDGE STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

R-96-D

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS:

1 LS 1 LS

Project Cleanup Contractor Staking, Road Only

Staking Plan Errors and Extras, One Person 1 Hr Staking Plan Errors and Extras, Two Person

Staking Plan Errors and Extras, Three Person

12 Syd 12 Syd Slope Restoration, Type A Slope Restoration, Type B

Erosion Control, Silt Fence

NOTES APPLYING TO TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

ROADSIDE SIGN LOCATIONS & SUPPORT SPACING

WOOD POSTS

SIGN-120-A

SIGN-210-A

PARSONS BRINCKERHOFF, INC. 500 GRISWOLD ST. SUITE 2900 DETROIT MICHIGAN 48226 313-963-5760

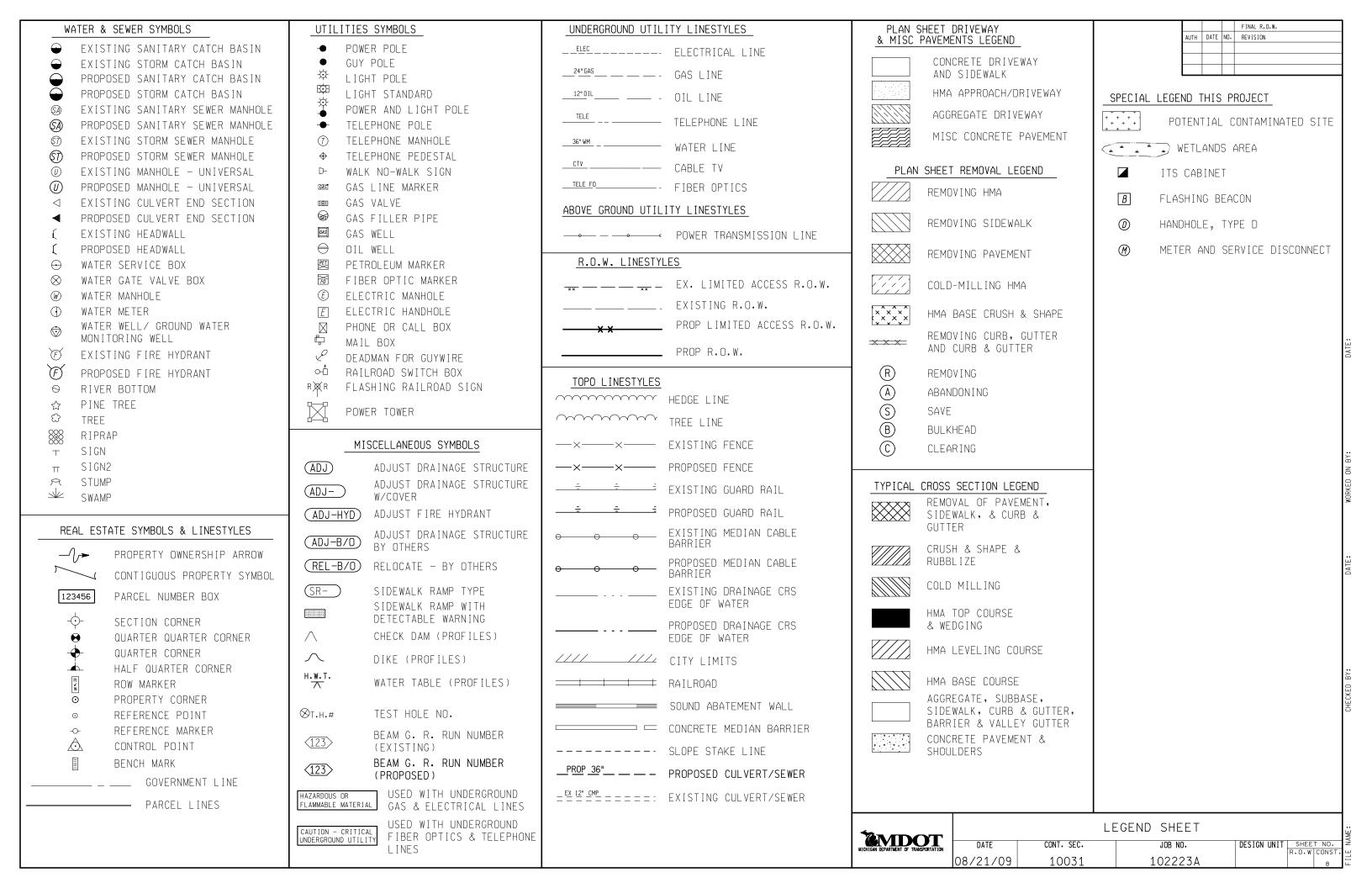
MDOT

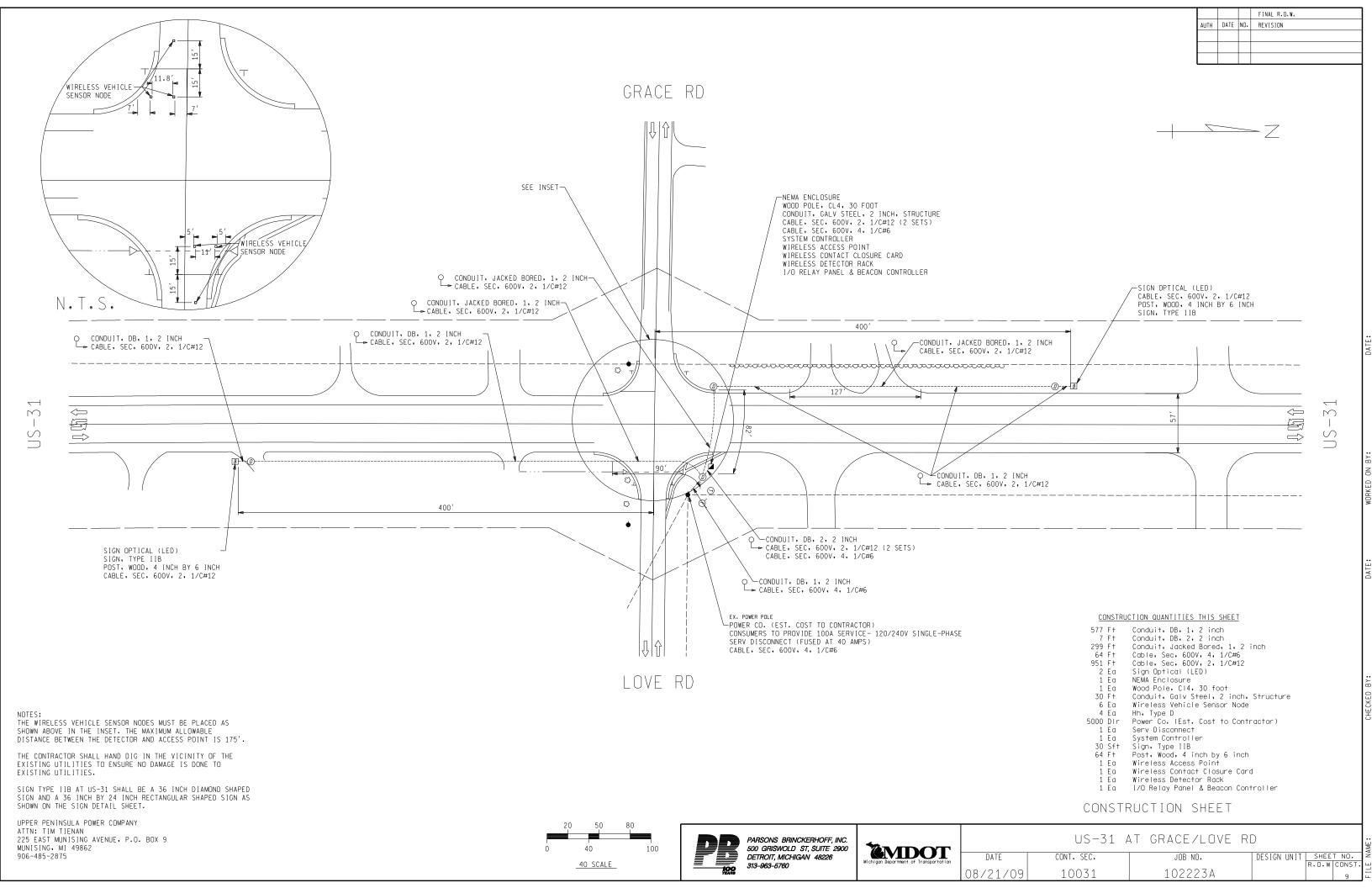
DATE CONT. SEC. 08/21/09 10031

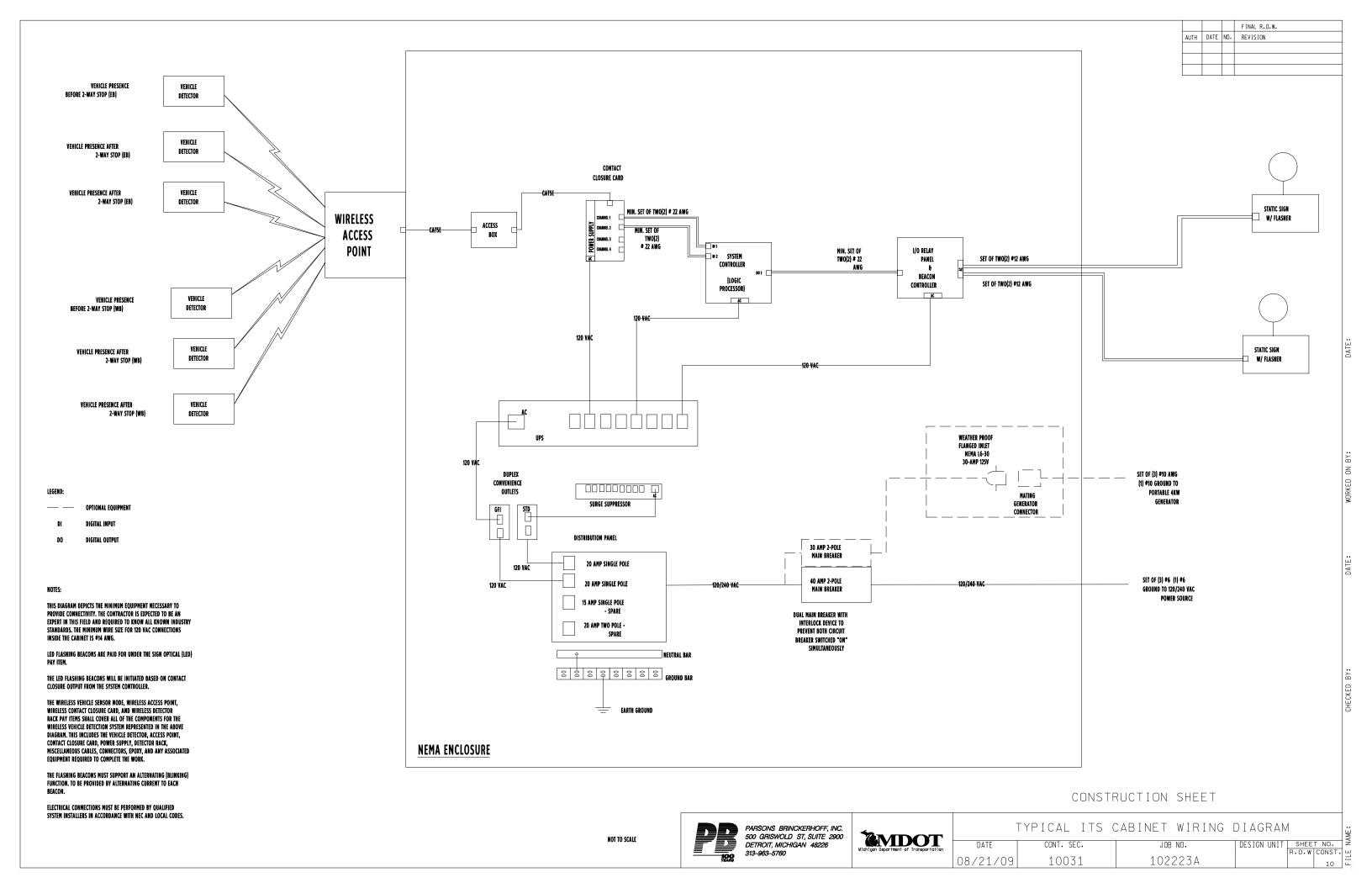
NOTE SHEET JOB NO. DESIGN UNIT

102223A

R.O.W CONST







PART 1 ROAD PLANS

SHEET NUMBERS

 MISCELLANEOUS DETAIL
 2-5

 NOTE SHEET
 6

 LEGEND SHEET
 7

 PLAN & PROFILE
 8

 WIRING DIAGRAM
 9

TITLE _____ 1

MICHIGAN DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

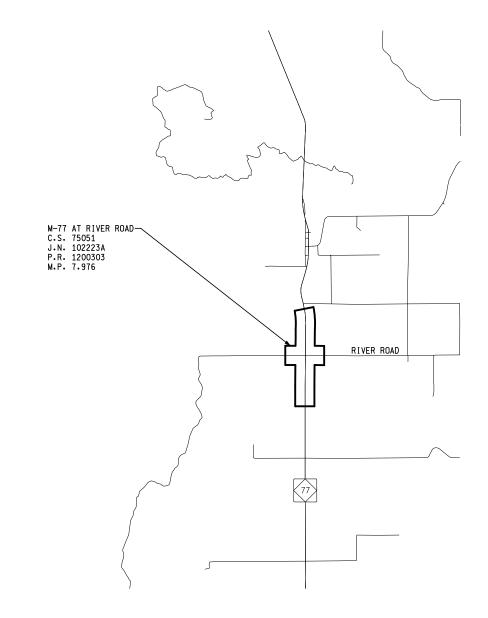
MICHIGAN PROJECT

CONTROL SECTION 75051

JOB NUMBER 102223A

M - 77

SCHOOLCRAFT COUNTY
GERMFASK TOWNSHIP



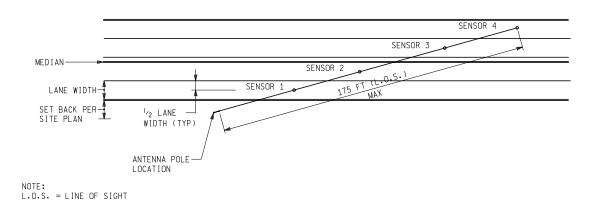
TITLE SHEET LEGEND

PROPOSED PROJECT	
EXISTING ROADS	
PAVED	•
SECTION LINE	
TOWNSHIP LINE	*18/818/818/818/8
COUNTY LINE	
CITY OR VILLAGE LIMITS	25/20/20/20/20/20/20/20/20/20/20/20/20/20/
RAILROADS	
DETOUR ROUTE	

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2003 STANDARD SPECIFICATIONS FOR CONSTRUCTION. PR #, CS & MILEPOST ARE FROM MGF VERSION #8.

M-77 YEAR 2007

COMM. % DESIGN SPEE	D/POSTED SPEE	D 60/55		ER 10031,75051-102223A	NATE.
				OL JOB N — NUMBER	
764 MILES				CONTROL	
CONTRACT FOR:					
MICHIGAN DEP	ARTMENT OF T BY NS BRINCKER RISWOLD ST, S IT, MI 48226				DATE
REGISTERED PROFESSIO	DNAL ENGINEER				
No.	D	DATE			
RECOMMENDED FOR APPROVAL ———	APPROV JECT MANAGER - VERY ENGINEER -	, P.E.	DATE	_	DBAWN BY.
	NT OF	IGAN TRANSPORT c, p.e director	ATION		
APPROVED BY ENGINEER OF DE	EVELOPMENT - MAR	K A. VAN PORT FLEET, P.E.	DAT	E	
Michigan Department of Transportetion		DESIGN UNIT PROJECT LOCATION (TSC)]]:
CONTROL SECTION	JOB NUMBER	I PROPOSIT W	UMBERS ITEM	SHEET NO.	NAME
75051	102223A			1	1111
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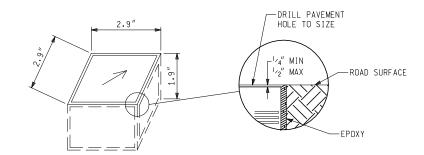


PLAN VIEW
SCALE: NTS

WIRELESS VEHICLE SENSOR NODE TYPICAL SITE PLAN DESIGN

OTE:

WIRELESS VEHICLE SENSOR NODE PLACEMENT IS TYPICAL AND SHOWN TO DEPICT MAXIMUM ALLOWABLE DISTANCE FROM THE ACCESS POINT. THE WIRELESS VEHICLE SENSOR NODE MUST BE PLACED IN THE CENTER OF EACH TRAVEL LANE (DETECTION ZONE) OR AS SHOWN ON PLANS.



TYPICAL WIRELESS VEHICLE SENSOR NODE SCALE: NTS

NOTES:

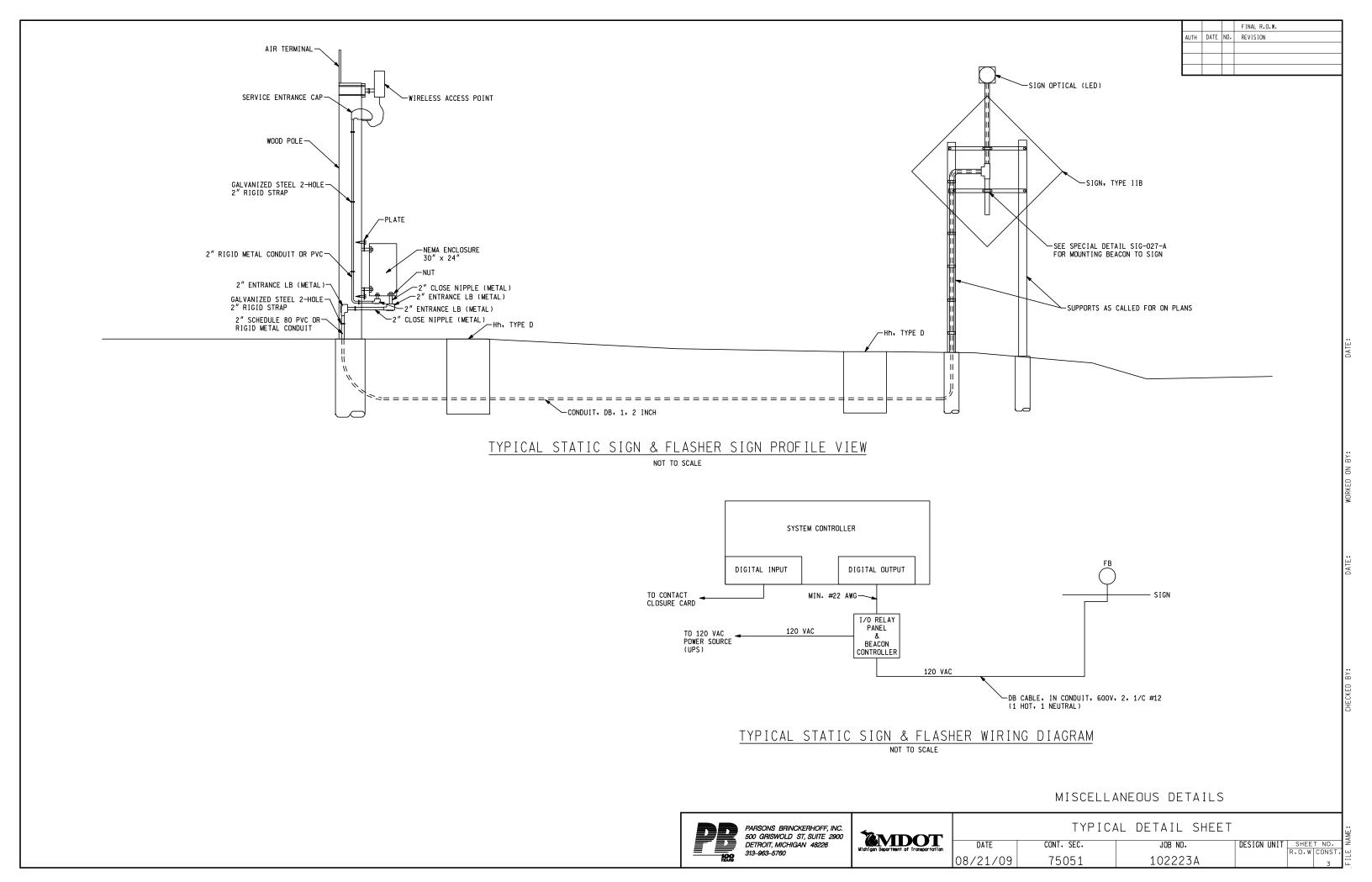
PLACE VEHICLE SENSOR WITH ARROW POINTING IN DIRECTION OF TRAVEL.

HOLE MUST BE FILLED WITH APPROPRIATE FLEXIBLE SEALANT AS RECOMMENDED BY MANUFACTURER.

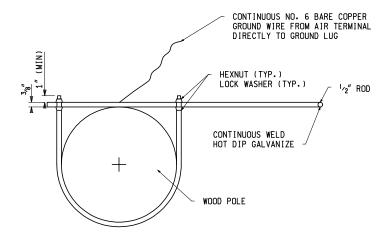




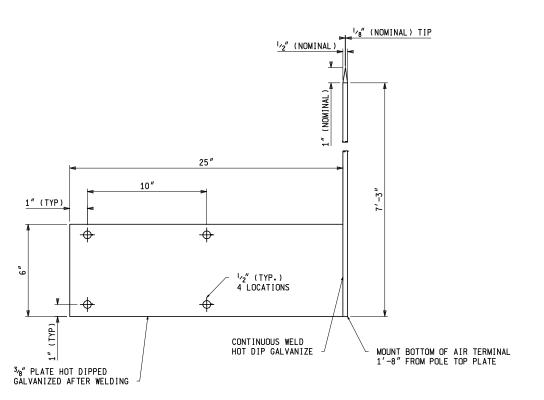
TYPICAL WIRELESS VEHICLE SENSOR NODE DI	ETAILS 🚆
DATE CONT. SEC. JOB NO. DESIGN UNIT	
08/21/09 75051 102223A	R.O.W CONST.



			FINAL R.O.W.
AUTH	DATE	NO.	REVISION
	1		



AIR TERMINAL ON WOOD POLE (TOP VIEW) NOT TO SCALE

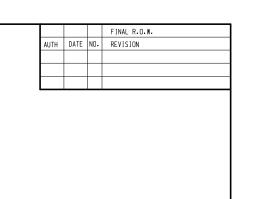


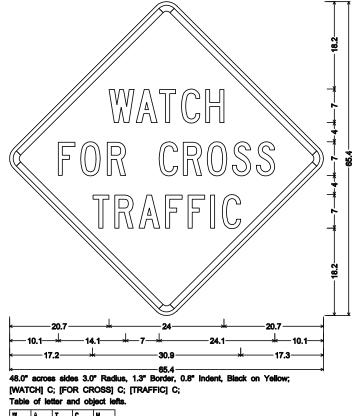
AIR TERMINAL (SIDE VIEW)
NOT TO SCALE



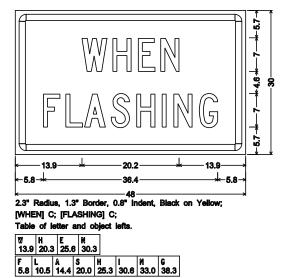


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08/21/09	75051		102223A			R.O.W	CONST 4





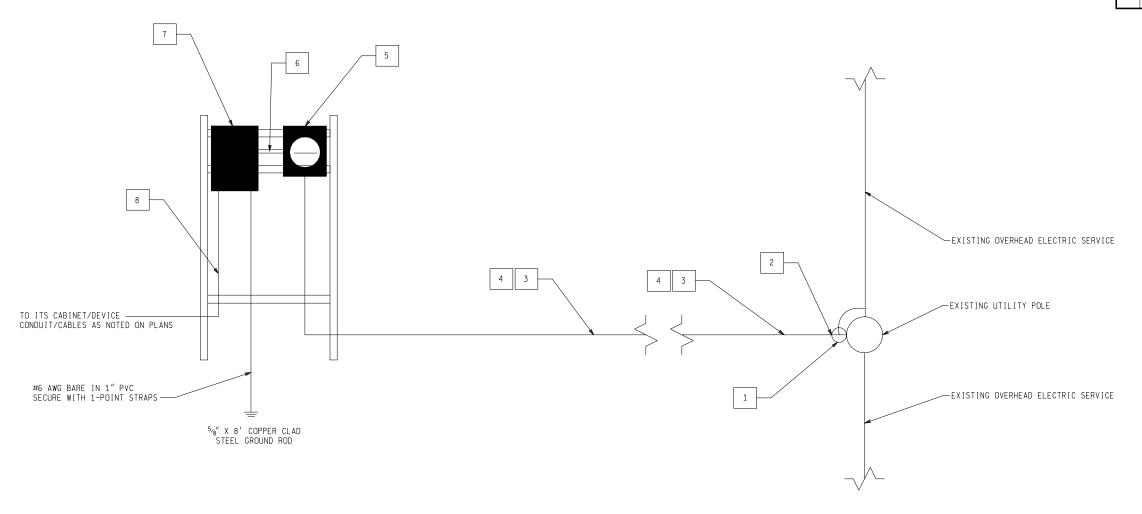
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10.1	14.8	20.3	31.2	36.2	41.2	46.4	51.4
T	R	A	F	F	I	C	
17.2	21.9	26.9	32.5	37.2	41.9	44.3	



TYPICAL SIGN DETAIL NOT TO SCALE



			DETAIL SHEET	SIGN [
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· 🗀	R.O.W CONS		4000074	75054	00 101 100
i.	5		102223A	75051	08/21/09



GENERAL NOTES

DIAGRAM DEPICTS MINIMUM EQUIPMENT NECESSARY TO PROVIDE CONNECTIVITY. AMEND THE DESIGN AS REQUIRED TO COMPLY WITH THE NATIONAL ELECTRICAL CODE, LOCAL CODES, AND REQUIREMENTS OF THE LOCAL ELECTRICAL

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METER AND SERVICE DISCONNECT CAN BE INSTALLED ON WOOD POLE, SEPARATE RACK, OR AS DIRECTED BY UTILITY COMPANY OR MDOT ENGINEER.

CODED NOTES

1. POLE-MOUNTED UTILITY-PROVIDED TRANSFORMER. SECONDARY: 120/240
VAC SINGLE-PHASE, 60 HZ.

2. CONDUIT RISER: 1-1/2" GALVANIZED RIGID CONDUIT FROM SERVICE
FEEDER CONDUIT TO 6 FEET ABOVE FINISHED GRADE. PROVIDE PLASTIC
BUSHING. SECURE CONDUIT RISER TO UTILITY POLE WITH 2-POINT
STRAPS. LOCATE STRAPS WITHIN 24" ABOVE GRADE AND WITHIN 12" FROM THE TOP OF RISER.

3. SERVICE FEEDER CONDUIT: DIRECT BURIED 1-1/2" GALVANIZED RIGID CONDUIT FROM CONDUIT RISER AT UTILITY POLE TO METER SOCKET ENCLOSURE. MINIMUM COVER: 24". SECURE VERTICAL CONDUIT LEG TO EQUIPMENT STRUCTURE WITH 2-POINT STRAPS. LOCATE STRAPS WITHIN 24" ABOVE GRADE AND WITHIN 12" FROM THE TOP OF RISER. 4. SERVICE LATERAL: CONDUIT/CABLES AS NOTED ON PLANS. PROVIDE AN

ADDITION 11-FT COILED EXTENSION AT THE POLE END. 5. METER SOCKET: 100-AMP 120/240 VAC SINGLE-PHASE. ENCLOSURE: NEMA 4X. PROVIDE SOCKET CONFIGURATION REQUIRED BY ELECTRIC SERVICE UTILITY. METER PROVIDED BY ELECTRIC SERVICE UTILITY. METER SOCKET MAY NOT BE REQUIRED. SEE PLANS FOR REQUIRED EQUIPMENT.

GALVANIZED RIGID CONDUIT. PROVIDE MYERS HUB FITTING AT CIRCUIT

PANEL AND METER SOCKET PANEL.
7. CIRCUIT PANEL. 100-AMP, 120/240 VAC, SINGLE-PHASE, 3-WIRE, 6-SPACE (FULL-SIZE) MAIN BREAKER PANEL. ENCLOSURE: NEMA 4X. PROVIDE SEPARATE NEUTRAL AND GROUNDING BUS BARS BONDED AS NOTED ON PLANS.

8. ITS CABINET CIRCUIT IN GALVANIZED RIGID CONDUIT. MINIMUM SIZE: 1½" CONDUIT FROM HANDHOLE, UNLESS NOTED ON PLANS. SEP PLANS FOR CONDUIT AND CABLE.





-	TYPICAL M-7	7 POWER	SERVICE	DETAILS	•	.ME:
DATE	CONT. SEC.		JOB NO.	DESIGN UNIT	SHEET NO.	
08/21/09	75051	1	02223A		6	FILE

ENGINEERING REPORT NO	ENVIRON IMPACT STMT	
METHOD OF SURVEY		YEAR
SURVEY ORDER	SURVEY CHIEF	YEAR
AERIAL SURVEY NO		YEAR
HORIZ DATUM	VERT DATUM	
ROAD DESIGN INITIATED	COMPLETED	
PRELIMINARY PLANS BY	FINAL PLANS BY	
PLAN REVIEW BY	DATE	
FHWA AREA ENGINEER		

GENERAL PLAN NOTES

UNDERGROUND UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, 1974, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED, MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

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THE EXACT LOCATION OF POLES WILL BE DETERMINED BY THE ENGINEER.

SOIL EROSION MEASURES

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY THE ENGINEER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED/MULCH OR MULCH BLANKET AS DIRECTED BY THE ENGINEER.

RECREATIONAL PROPERTIES

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SEED MIXTURE

THE SYMBOL FOR THE PERMANENT TURF SEED MIXTURE ON THIS PROJECT IS SYMBOL

UTILITIES

THE EXISTING UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED ON OUR SURVEYS DATED , 20 . THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO ITS ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

NAME OF OWNER

KIND OF UTILITY

GAS

CABLE TV

TELECOM

ELECTRIC

TELECOM

CS 10031

CONSUMERS ENERGY COMPANY ELECTRIC ATTN: GREG MORTENSEN 821 HASTINGS ST. TRAVERSE CITY, MI 49686 231-929-6242 CHERRYLAND ELECTRIC CO. ELECTRIC ATTN: FRANK SIEPKER

5930 US-31 S., P.O. BOX 298 GRAWN. MI 49637 231-486-9220

DTE ENERGY/MICH CON GAS COMPANY ATTN: KEN LAKE 1250 MICH CON LANE, S.W. P.O. BOX 279

KALKASKA, MI 49646 231-2583785 CHARTER COMMUNICATIONS

ATTN: RICK ROUSSEAU 701 SOUTH AIRPORT RD. TRAVERSE CITY, MI 49686 231-929-7012 EXT. 100 AT&T (SBC)

ATTN: CHUCK HELMBOLDT 142 E. STATE ST., FLOOR 2 WEST TRAVERSE CITY, MI 49684 231-941-2755

CS 75051 UPPER PENINSULA POWER COMPANY ATTN: TIM TIENAN

225 EAST MUNISING AVENUE, P.O. BOX 9 MUNISING, MI 49862 906-485-2875

ATTN: MICHAEL ANDERSON 310 WEST 7TH SAULT STE MARIE, MI 49783 906-632-9901

NOTES APPLYING TO ROAD AND BRIDGE STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

R-96-D

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS:

1 LS 1 LS

Project Cleanup Contractor Staking, Road Only

Staking Plan Errors and Extras, One Person 1 Hr Staking Plan Errors and Extras, Two Person

Staking Plan Errors and Extras, Three Person

12 Syd 12 Syd Slope Restoration, Type A Slope Restoration, Type B

1020 Ft Erosion Control, Silt Fence

NOTES APPLYING TO TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

ROADSIDE SIGN LOCATIONS & SUPPORT SPACING

SIGN-120-A SIGN-210-A

313-963-5760

WOOD POSTS

PARSONS BRINCKERHOFF, INC. 500 GRISWOLD ST. SUITE 2900 MDOT DETROIT MICHIGAN 48226

NOTE SHEET DATE CONT. SEC. JOB NO. DESIGN UNIT R.O.W CONST 102223A 08/21/09 75051

