# ALLEGAN COUNTY ROAD COMMISSION

## 10TH STREET CULVERT REPLACEMENT SOUTH OF 102ND AVE - GUN PLAIN TOWNSHIP

ACRC PROJECT NO.

## NOTES

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.

THE PLACING OF PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL

IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, ALL CONTRACTORS SHALL CALL MISS DIG @ 811 OR 800-482-7171 FOR PROTECTION OF UNDERGROUND UTILITIES A MINIMUM OF THREE FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO BEGINNING EACH EXCAVATION IN ANY AREA. 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.

### UTILITIES

ELECTRIC

2919 MILLCORK STREET KALAMAZOO, MI 49001 MR. TODD SHIBAYAMA (269) 384-4436

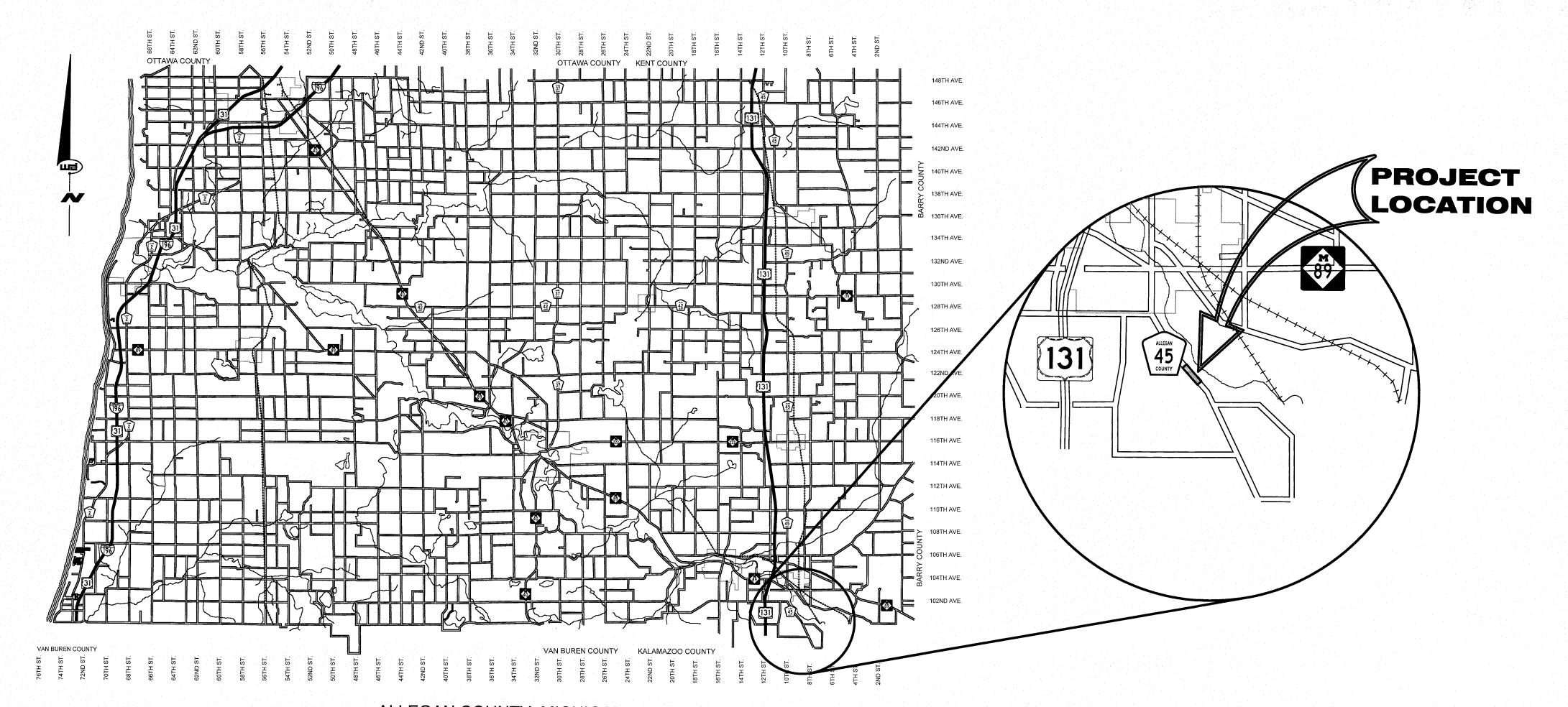
NATURAL GAS

MICHIGAN GAS UTILITIES 742 E. ALLEGAN STREET OTSEGO, MI 49078 MR. DAVID MAURER (269) 605-2188

"MISS DIG"

## INDEX OF PLANS

182024-01 **COVER SHEET** 182024-02 TYPICAL SECTIONS, NOTES AND DETAILS 182024-03 BOX CULVERT DETAILS 182024-04 PLAN & PROFILE - STA. 10+00 TO STA. 15+00 DETOUR ROUTE AND SIGNAGE



**ALLEGAN COUNTY, MICHIGAN** 

WIGHTMAN BENTON HARBOR 2303 Pipestone Road Benton Harbor, MI 49022

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AARON J. NEITLING ENGINEER ENGINEER NO. 50508

PROJECT NAME: **10TH STREET** CULVERT REPLACEMENT SOUTH OF 102ND AVE -**GUN PLAIN TOWNSHIP** 

ALLEGAN COUNT ROAD COMMISSION 1308 LINCOLN ROAD ALLEGAN, MI 49010

2 07/03/2018 FOR BIDDING

1 06/29/2018 FOR REVIEW PRELIMINARY - NOT FOR

CONSTRUCTION

REVISIONS

ONSENT IS PROHIBITED. 2018 WIGHTMAN & ASSOCIATES, INC. DATE: MAY 2018

**COVER SHEET** 

JOB No. 182024 182024-01

#### **PROJECT NOTES**

- 1. THE "2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "STANDARD PLANS" BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) ARE HEREBY INCORPORATED INTO THESE CONTRACT DOCUMENTS. COPIES OF THESE STANDARDS ARE AVAILABLE FOR INSPECTION AT THE OFFICE OF THE
- 2. THE PLACING OF TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), AS AMENDED.
- 3. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
- 4. IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, ALL CONTRACTORS SHALL CALL MISS DIG @ 811 OR 800-482-7171 FOR PROTECTION OF UNDERGROUND UTILITIES A MINIMUM OF THREE FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO BEGINNING EACH EXCAVATION IN ANY AREA. 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.
- 5. THE CONTRACTOR SHALL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- 6. THE CONTRACTOR SHALL NOTE THAT THE STATION GRADING PAY ITEM SHALL INCLUDE THE REMOVAL OF ALL FENCES, GUARDRAIL, CULVERTS, CONCRETE FOUNDATIONS, AND MISCELLANEOUS ITEMS AS REQUIRED AND SHALL INCLUDE ALL EARTH EXCAVATION, EMBANKMENT, FENCE RELOCATIONS REGARDLESS OF FENCE TYPE, AND ALL OTHER OPERATIONS NECESSARY TO DEVELOP THE DESIRED CROSS SECTION. ALL TOPSOIL AND OTHER UNSUITABLE MATERIAL LOCATED BENEATH THE PROPOSED ROADWAY SECTION SHALL BE REMOVED TO THE SUBGRADE ELEVATION AS PART OF THE STATION GRADING PAY ITEM. ALL TOPSOIL REMOVED MAY BE STOCKPILED AND REUSED AS TOPSOIL SURFACE,
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ALLEGAN COUNTY ROAD COMMISSION TO NOTIFY THEM THAT WORK IS COMMENCING.
- 8. ALL FILL FOR THIS PROJECT MUST BE OBTAINED AND FURNISHED BY THE CONTRACTOR. ALL REQUIRED FILL SHALL BE SELECTED EXCAVATED MATERIAL FROM THE SITE APPROVED BY THE ENGINEER, OR MDOT CLASS II GRANULAR MATERIAL FROM BORROW. EXCESS FILL SHALL BE REMOVED FROM SITE BY THE CONTRACTOR. NOTE: NO BORROW OR SOIL REMOVAL ARRANGEMENTS HAVE BEEN PREARRANGED FOR THIS PROJECT, AND SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR.
- 9. DRIVE REPLACEMENT SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE
- 10. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT, AS REQUIRED.
- 11. THE ITEM OF SUBBASE, CIP WILL BE PAID FOR AT PLAN QUANTITY EXCEPT IN THE CASE OF A DESIGN CHANGE OR DEMONSTRATED ERROR.
- 12. AS PART OF THE PROJECT THE CONTRACTOR WILL COORDINATE WITH THE ALLEGAN COUNTY ROAD COMMISSION TO PRESERVE AND RESET ALL GOVERNMENT CORNERS WITHIN THE PROJECT LIMITS.
- 13. THE CONTRACTOR SHALL PROVIDE TOPSOIL SURFACE, SALV, LM (3 INCHES); SEEDING, MIXTURE TUF (220#/ACRE); AND FERTILIZER, CHEMICAL NUTRIENT, CL A (176#/ACRE) AND MULCH AND MULCH ANCHORING (2 TON/ACRE) TO ALL DISTURBED AREAS TO BE PAID FOR AS RESTORATION. HIGH VELOCITY MULCH BLANKET WILL BE INSTALLED ON ALL DISTURBED AREAS ADJACENT TO THE CHANNEL AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD.
- 14. RIPRAP MUST BE NATURAL OR QUARRIED LIMESTONE AND/OR SOLID PRECAST CONCRETE BLOCKS OF GRADE P2 CONCRETE. NO CRUSHED OR RECYCLED CONCRETE WILL BE ALLOWED.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE PATTERNS, AND SHALL RESOLVE ANY DRAINAGE PROBLEMS ON ADJACENT PROPERTIES WHICH MAY RESULT FROM THE CONTRACTOR'S ACTIVITIES.
- 16. ADEQUATE DUST CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD, TO BE INCLUDED IN THE VARIOUS ITEMS OF WORK.
- 17. MULCH BLANKET HIGH VELOCITY SHALL BE PLACED ON THE BOTTOM OF ALL DITCHES WHEN THE LONGITUDINAL GRADE IS GREATER THAN OR EQUAL TO 2.00% UNLESS OTHERWISE NOTED, OR AS DIRECTED BY THE ENGINEER IN THE FIELD.
- 18. WHEN FIELD DRAIN TILES ARE ENCOUNTERED IN THE EXISTING DITCHES, THE CONTRACTOR WILL EXTEND THEM AS REQUIRED WITH UNDERDRAIN, SUBGRADE 4" OR 6" AND ADJUST THE DITCH GRADES AS NECESSARY TO PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER IN THE FIELD. THE COST OF THE CONNECTION WILL BE INCLUDED IN THE NEW PIPE ITEM. IF THE ENGINEER DETERMINES THAT AN EXISTING TILE IS TOO LONG THE CONTRACTOR WILL REMOVE THE TILE AS NECESSARY, TO BE INCLUDED IN THE ITEM OF STATION GRADING. DRAINS THAT ARE ENCOUNTERED AND IDENTIFIED AS SOMETHING OTHER THAN A FIELD DRAIN SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.
- 19. DATUM REFERS TO NAVD88 DATUM.
- 20. ALL SCALES FOR DRAWINGS AND DETAILS ARE BASED ON 24"x36" PRINTED PLANS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- 21. THE ALLEGAN COUNTY ROAD COMMISSION WILL INSTALL ALL NECESSARY PERMANENT SIGNS BEFORE OPENING THE ROAD TO TRAFFIC. THE CONTRACTOR SHALL NOTIFY THE ROAD COMMISSION WHEN PERMANENT SIGNS CAN BE PLACED.
- 22. HMA MATERIALS FOR THIS PROJECT SHALL BE PERFORMANCE GRADE 64-28.
- 23. PROPERTY OWNER'S NAMES, WHERE SHOWN, ARE FOR INFORMATION ONLY, AND THEIR ACCURACY IS NOT GUARANTEED.

ITEM	AWI	YIELD	PERFORMANCE GRADE
HMA, 13A (LEVELING)		275#/SYD	P.G. 64 - 28
HMA, 13A (TOP)	260	165#/SYD	P.G. 64 - 28
HMA BOND COAT (NOT A PAY ITEM)		0.05 TO 0.15 GAL/SYD	SS - 1h

HMA APPLICATION TABLE

MISCELLANEOUS QUANTI	TIES	
ITEM	QTY.	
Geotextile Stabilization	500 Syd	
Aggregate, 6A	50 Ton	
Subgrade Undercutting, Type II	200 Cyd	
Soil Erosion Permit and Maintenance	1 LS	
Seeding, Mixture CR	20 Lb	
Sign, Type B, Temp, Modified	500 Sft	
Plastic Drum, High Intensity, Ltd, Modified	20 Ea	
Barricade Type III, High Intensity, Dbl Sided, Ltd, Modified	15 Ea	
Erosion Control, Silt Fence	600 Ft	
Project Cleanup	1 LS	

**WIGHTMAN** 

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ALLEGAN COUNTY ROAD COMMISSION 1308 LINCOLN ROAD

ALLEGAN, MI 49010

LEGEND

.----

— EX. GRADE

66' R.O.W.

32' LIMITS OF HMA SURFACE REMOVAL

PROPOSED TYPICAL SECTION

PAVED

SHOULDER

TYPICAL FILL SECTION -

— EX. & PROP. ROAD €

EXISTING HMA

— EXISTING GRAVEL BASE

PAVED

SHOULDER

165#/SYD HMA, 13A (TOP) ——

WIDE

- APPLY TOPSOIL SURFACE, SALV,

(220#/ACRE); AND FERTILIZER, CHEMICAL NUTRIENT, CL A

ITEM RESTORATION. INSTALL

ON ALL DITCH SLOPES OR AS DIRECTED BY THE ENGINEER IN

(228#/ACRE) TO ALL DISTURBED

AREAS NOT TO BE PAVED (TYP.). ALL ITEMS INCLUDED IN THE PAY

HIGH VELOCITY MULCH BLANKETS

3"; SEEDING, MIXTURE TUF

275#/SYD HMA, 13A (LEVELING)

AGGREGATE BASE, 6 INCH, 32' ——

SUBBASE, CIP (12 INCH MIN.) ——

**EXISTING** PROPOSED \_\_\_\_\_ c \_\_\_\_ CABLE ELECTRIC LINE \_\_\_\_\_ E \_\_\_\_ ——— OHE ———— ELECTRIC LINE (OVERHEAD) FIBER OPTIC LINE \_\_\_\_\_ G\_\_\_\_ GAS LINE TELEPHONE LINE —— — FORCEMAIN GUARDRAIL —— - —— SANITARY SEWER — - - — STORM SEWER WATER MAIN CENTER LINE EXISTING TREE LINE ———— EXISTING DITCH LINE ——— — EASEMENT LINE/GRADING PERMIT

---- GRADING LIMITS/LIMITS OF DISTURBANCE ——— — PROPERTY LINE RIGHT-OF-WAY LINE ——— SECTION LINE —+1-+++1-+++1-+++1-+++
TO BE ABANDONED

= CATCH BASIN = CABLE RISER BOX ●<sup>CO</sup> = CLEAN OUT = CURB INLET = ELECTRIC MANHOLE ♥ = FIRE HYDRANT = FOUND IRON PIPE ⋈ = GAS VALVE •) = GUY ANCHOR = MAILBOX = POST ລ = SATELLITE DISH SANITARY MANHOLE

●SB = PAVEMENT/SOIL BORING = PROPOSED HYDRANT = PROPOSED GATE VALVE & BOX = PROPOSED GATE VALVE & VAULT = PROPOSED REDUCER = PROPOSED SANITARY MANHOLE = PROPOSED STORM MANHOLE

= STORM MANHOLE ① = TELEPHONE MANHOLE □ = TELEPHONE RISER BOX = TURNING POINT/TRAVERSE Ø = UTILITY POLE VLT = VAULT ■ = WATER ELEVATION (ii) = WATER MANHOLE wm = WATER METER

> ⋈ = WATER VALVE ⇒ = WATER SPIGOT

o<sup>W</sup> = WELL TREE DESIGNATORS

BUSH CONIFEROUS TREE CONIFEROUS TREE

TO BE REMOVED

= SECTION CORNER

\_O\_ = SIGN

✓ STUMP **DECIDUOUS TREE** 

TO BE REMOVED

> JOB No. 182024 182024-02

02 07/03/2018 FOR BIDDING

01 06/29/2018

REVISIONS

DATE: MAY 2018

SCALE:

FOR REVIEW

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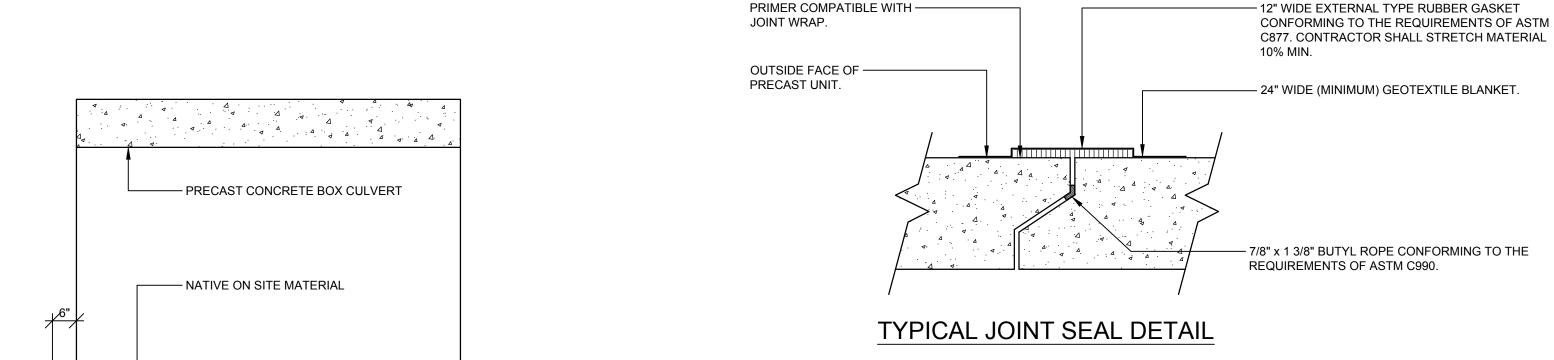
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TYPICAL SECTIONS, **NOTES AND DETAILS** 

PAD



NOTE: THE BOX CULVERT SECTIONS SHALL HAVE TONGUE AND GROOVE ENDS. THE CONTRACTOR SHALL INCLUDE A JOINT DETAIL ON THE SHOP DRAWINGS TO BE APPROVED BY THE ENGINEER. THE EXTERNAL TYPE RUBBER GASKET SHALL BE COVERED WITH A MINIMUM 2' STRIP OF GEOTEXTILE BLANKET CENTERED OVER THE JOINT.

PRECAST CONCRETE BOX CULVERT - GEOTEXTILE SEPARATOR, TO BE INCLUDED

— 6A STONE BEDDING, TO BE INCLUDED IN

IN PRECAST CONCRETE BOX CULVERT

— 2' WIDE x 2' DEEP x 14' LONG CONCRETE FOOTING. INSTALLATION TO BE INCLUDED IN PRECAST CONCRETE BOX CULVERT.

## SCALE: 1" = 2'

CULVERT CONTROL DATA				
REF. LINE/PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
A-1	INSIDE CORNER @ INLET	341836.14	12780030.66	718.57
A-2	INSIDE EDGE @ € ROAD	341849.16	12780055.33	718.53
A-3	INSIDE CORNER @ OUTLET	341862.27	12780080.19	718.49
B-1	INSIDE CORNER @ INLET	341829.07	12780034.39	718.57
B-2	INSIDE EDGE @ € ROAD	341842.23	12780059.34	718.53
B-3	INSIDE CORNER @ OUTLET	341855.20	12780083.92	718.49

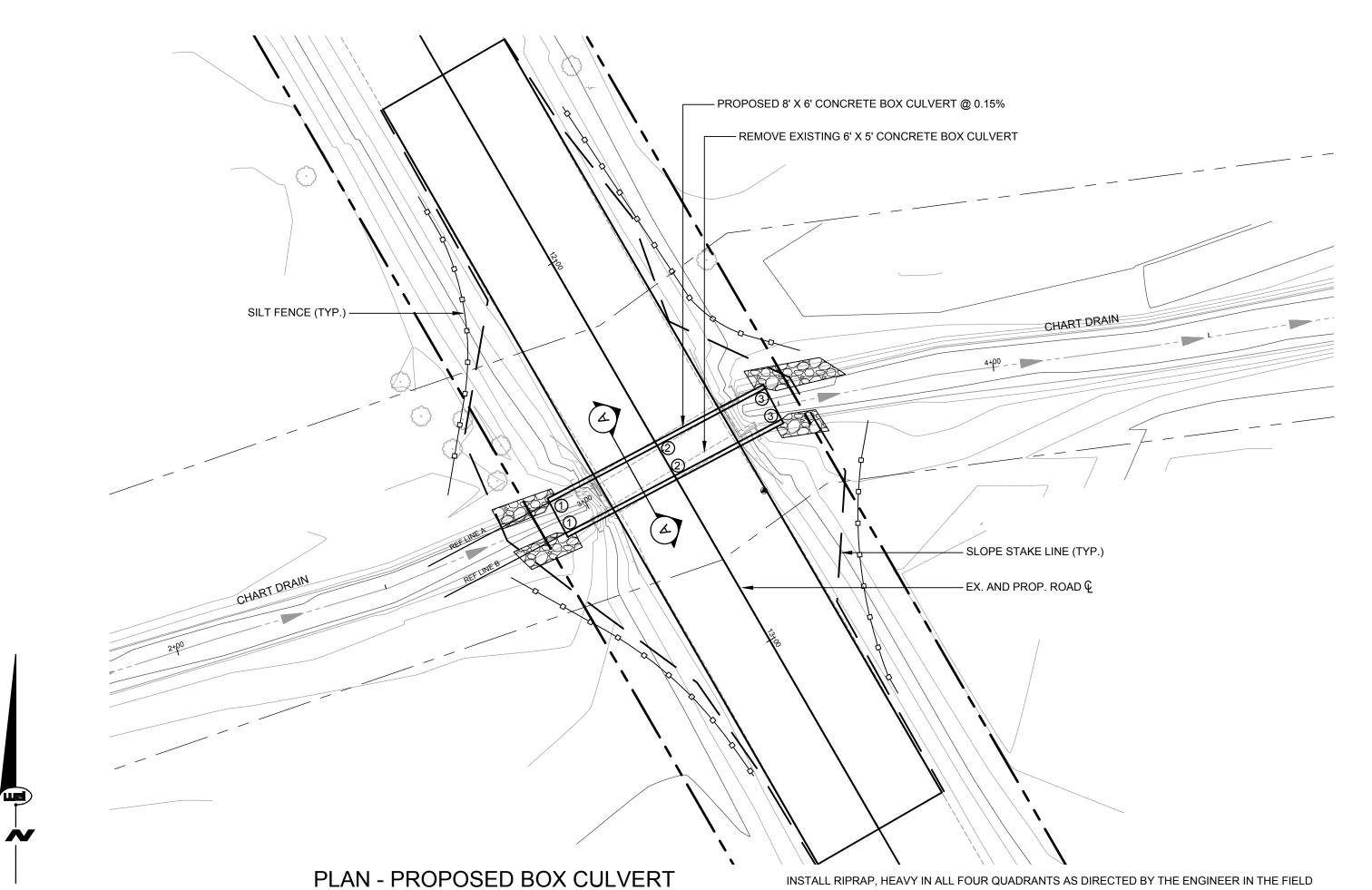
U/S ELEV. 717.57\* D/S ELEV. 717.49\*

EK101 @ 12" —

U/S ELEV. 715.57\*

D/S ELEV. 715.49\*

4 - EA101 #6 BAR —

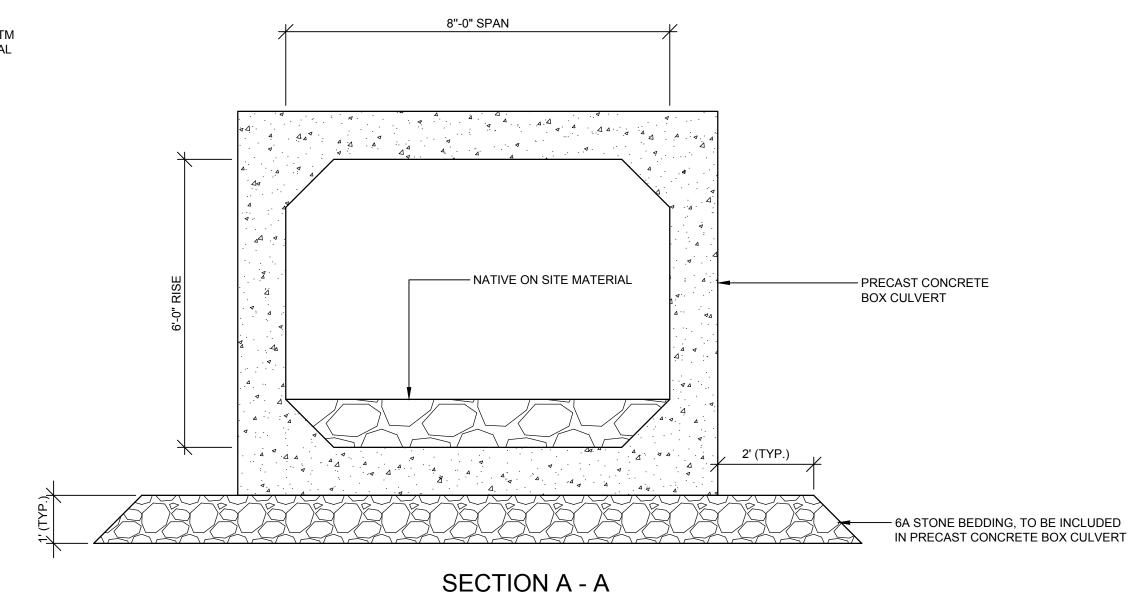


SCALE: 1" = 20'

INSTALL RIPRAP, HEAVY IN ALL FOUR QUADRANTS AS DIRECTED BY THE ENGINEER IN THE FIELD INSTALL SILT FENCE IN ALL FOUR QUADRANTS AS DIRECTED BY THE ENGINEER IN THE FIELD. INSTALL MULCH BLANKETS ON ALL DISTURBED AREAS NOT TO BE PAVED AS DIRECTED BY THE

ENGINEER IN THE FIELD

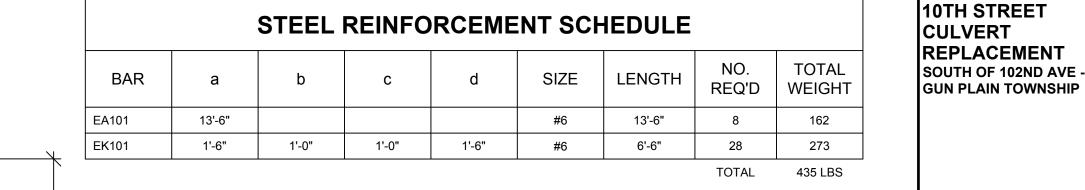
CONTRACTOR SHALL NOTIFY ENGINEER A MINIMUM OF 2 WORKING DAYS PRIOR TO PLACING THE PRECAST CONCRETE BOX CULVERT SO THAT A VISUAL INSPECTION MAY OCCUR. ALL UNSUITABLE SOILS SHALL BE REMOVED AND REPLACED WITH CLASS II GRANULAR MATERIAL AS NECESSARY



## SCALE: 1" = 2'

3" CLEAR TYP.

**FOOTING DETAIL** 

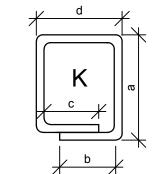


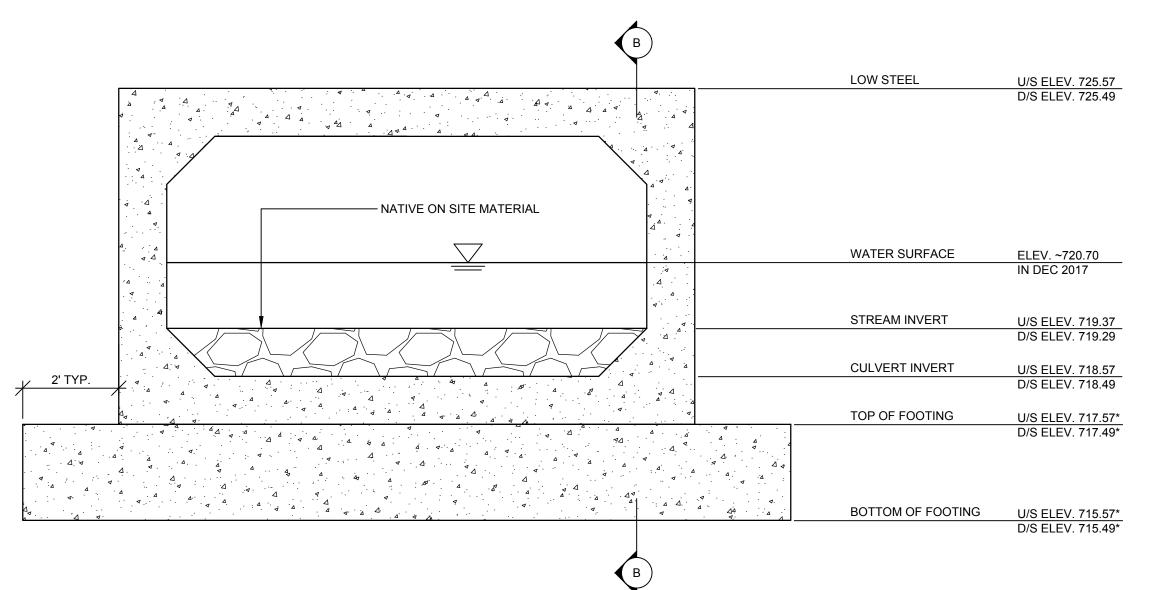
## **NOTES**

LETTER "E" SHALL BE EPOXY COATED.

ALL RIGHT ANGLE BENDS IN REINFORCING STEEL TO BE MADE ABOUT A PIN OF THE MINIMUM DIAMETER ALLOWED BY THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING THE ABOVE REINFORCING STEEL QUANTITIES AND LENGTHS PRIOR TO ORDERING

DELIVERY OF STEEL. STEEL REINFORCEMENT WITH BAR DESIGNATIONS BEGINNING WITH THE





TYPICAL INLET & OUTLET SECTION

\*NOTE: INVERT ELEVATION OF BOX CULVERT SHALL GOVERN. TOP OF FOOTING & BOTTOM OF FOOTING ELEVATIONS MAY VARY BASED UPON THE MANUFACTURER'S CULVERT DESIGN. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE FOOTINGS ACCORDINGLY.



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AARON J. NEITLING ENGINEER NO. 50508

PROJECT NAME: 10TH STREET CULVERT REPLACEMENT SOUTH OF 102ND AVE -

**ALLEGAN COUNTY** ROAD COMMISSION 1308 LINCOLN ROAD ALLEGAN, MI 49010

02 07/03/2018 FOR BIDDING 01 06/29/2018

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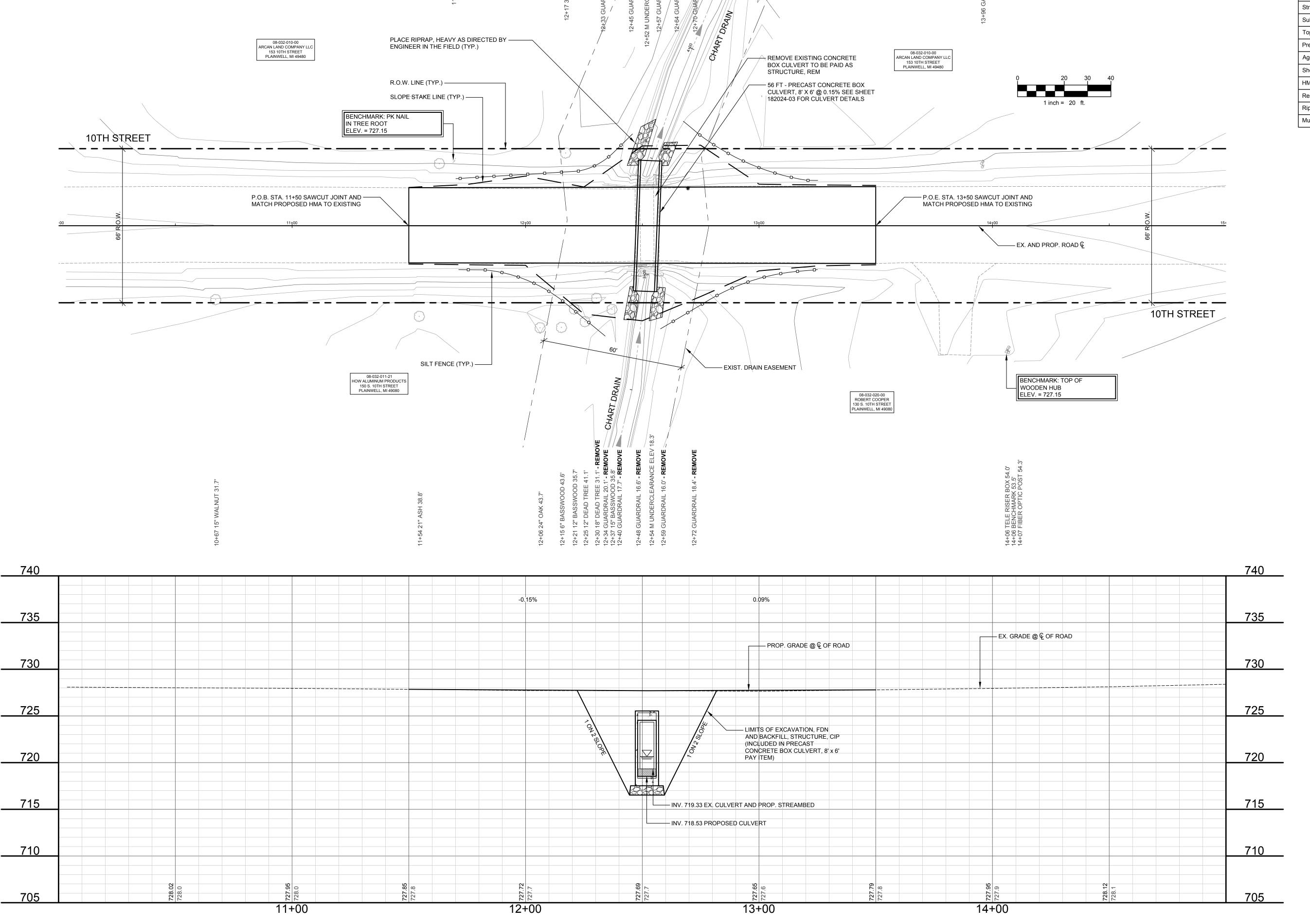
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SCALE:

**BOX CULVERT DETAILS** 

182024-03



### QUANTITIES THIS SHEET

ITEM	QTY.
Clearing	1 LS
Station Grading	1 LS
Structure, Rem	1 LS
Subbase, CIP	275 Cyd
Topsoil Surface, Salv, LM	50 Cyd
Precast Concrete Box Culvert, 8' x 6'	56 Ft
Aggregate Base, 6 inch	795 Syd
Shoulder, Cl II	20 Ton
HMA, 13A	180 Ton
Restoration	1 LS
Riprap, Heavy	20 Syd
Mulch Blanket, High Velocity	75 Syd

## WIGHTMAN

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CULVERT
REPLACEMENT
SOUTH OF 102ND AVE GUN PLAIN TOWNSHIP

ALLEGAN COUNTY ROAD COMMISSION 1308 LINCOLN ROAD ALLEGAN, MI 49010

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P:VAllegan\182024 ACRC - 10th Street Culvert\(\text{B}\)) Drav

P-Nallegan1182024 ACRC - 10th Street Culver(IB) Drawings1B50
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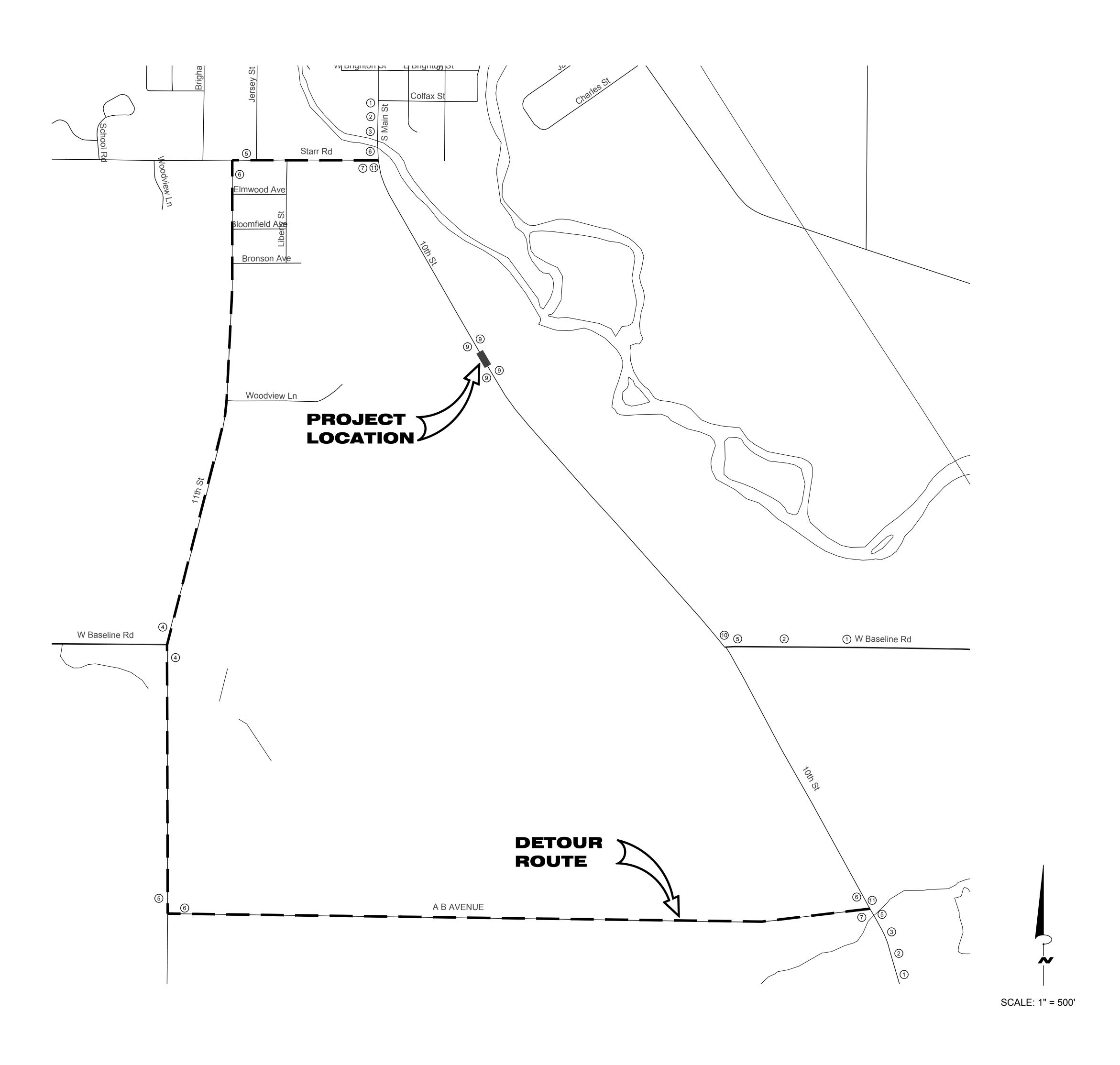
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SCALE:

PLAN & PROFILE - STA. 10+00 TO STA. 15+00

182024-04



SIGN	OTV	SIGN	DESCRIPTION	CIZE	۸۵۵۸	W+
NO.	QTY.	DESIGNATION	DESCRIPTION	SIZE	AREA	WIGHTMA
1	3 EA	W20-1	ROAD WORK AHEAD	48 INCH x 48 INCH	48 SFT	BENTON HARBOR 2303 Pipestone Road Benton Harbor, MI 49022 Phone: 269.927.0100
		SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X2	36 INCH x 12 INCH	9 SFT	PORTAGE  9835 Portage Road Portage, MI 49002 Phone: 269.327.3532
2	3 EA	W20-3	ROAD CLOSED AHEAD	48 INCH x 48 INCH	48 SFT	ALLEGAN  1670 Lincoln Road Allegan, MI 49010 Phone: 269.673.8465
	SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X2	36 INCH x 12 INCH	9 SFT	www.gowightman.com	
3	2 EA	W20-2	DETOUR AHEAD	48 INCH x 48 INCH	32 SFT	
		SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X1	36 INCH x 12 INCH	6 SFT	
		M4-9	DETOUR	30 INCH x 24 INCH	10 SFT	AARON J. NEITLING ENGINEER NO. 50508 PROJECT NAME:
4	2 EA	SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X1	36 INCH x 12 INCH	6 SFT	- 10TH STREET CULVERT REPLACEMENT SOUTH OF 102ND AVE
		M4-9	DETOUR	30 INCH x 24 INCH	20 SFT	GUN PLAIN TOWNSHIP
5	4 EA	SF-1 SF-2	SB 10TH ST X2  NB 10TH ST X2	36 INCH x 12 INCH	12 SFT	ALLEGAN COUNT
	M4-9	DETOUR	30 INCH x 24 INCH	20 SFT	ROAD COMMISSION 1308 LINCOLN ROAD ALLEGAN, MI 49010	
6)	6 4 EA	SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X3	36 INCH x 12 INCH	12 SFT	
7	2 EA	SF-1 SF-2	SB 10TH ST X1  NB 10TH ST X1	36 INCH x 12 INCH	6 SFT	
•	2 1.7	M4-8a	END DETOUR	24 INCH x 18 INCH	6 SFT	
9	4 EA	BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, 2 REQUIRED EACH LOCATION		2 REQUIRED EACH LOCATION	8 EA	
		R11-2	ROAD CLOSED	60 INCH x 30 INCH	50 SFT	
10	1 EA	BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, 1 REQUIRED EACH LOCATION		1 REQUIRED EACH LOCATION	1 EA	
		R11-4	ROAD CLOSED TO THRU TRAFFIC	60 INCH x 30 INCH	12.5 SFT	
		BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, 2 REQUIRED EACH LOCATION		2 REQUIRED EACH LOCATION	4 EA	02 07/03/2018 FOR BIDDING 01 06/29/2018 FOR REVIEW
① 2 EA	R11-4	ROAD CLOSED TO THRU TRAFFIC	60 INCH x 30 INCH	25 SFT	PRELIMINARY - NOT FOR CONSTRUCTION  REVISIONS  P-Allonan/18/024 ACRC - 10th Street CulverIR) Drawings/850	
		M4-10(L) M4-10(R)	DETOUR X1  DETOUR X1	48 INCH x 18 INCH	12 SFT	P-Nallegant 182024 ACRC - 10th Street Culvertils) Drawings 1850 AutoCAD 182024-05 Awg 182024-05 7/2/2018 5:11:26 PM  THE REPRODUCTION, COPYING OR OTHER USE OF THIS DRAWING WITHOUT WRITTEN CONSENT IS PROHIBITED.  © 2018 WIGHTMAN & ASSOCIATES, INC.  DATE: MAY 2018  SCALE:
				TOTAL AREA =	343.5 SFT	

DETOUR ROUTE AND SIGNAGE

JOB No. 182024 182024-05