City of Muskegon 2025 Road & Utility Construction Project Summary

Project Name: Oak Ave and Sun Dolphin

Project Type:

Contractor: TBD (not bid yet)

City Neighborhood(s): East Muskegon

Project Summary: The city will be milling the top 3 inches of pavement and re-paving the roadway. Expect long lane closures or complete road closures at various times.

Changes to Expect:

Timeline/Timeframe: TDB

Lane, Road or Intersection Shutdown:

Project Contact Information:

Joel Brookens
Assistant City Engineer
Joel.brookens@shorelinecity.com
(231) 724-6900

FAQs:

How will my trash get picked up? The contractor will work with the City and Republic Waste to make sure your trash is picked up. If your trash can needs to be moved, the Contractor will be responsible for moving it and returning it. It is advised to write your address on your can.

For this project, trash service should not be interrupted.

Why do all the trees in the streets need to be removed? The sewers and water mains that are being replaced are far underground, in some cases as deep as 12 feet down. In order to safely dig down that far, the trees need to be removed. Replacement trees will be planted the year after the project.

Why does the contractor need to get inside my house? A small portion of your water service pipe (the pipe that brings water into your home) is made of lead. The City is working to replace all water service pipes that have that small piece of lead, and the time has come

for your service line to be replaced. The state requires the pipe be replaced all the way to your water meter, which is probably inside your home. The contractor will need to get to your water meter and work in that area as part of the replacement. In the meantime, your water is safe to drink. If you have any questions about this or about lead in your water, reach out to the project contacts listed above.

TRAFFIC/SAFETY STANDARD PLANS

WZD-100-A GROUND DRIVEN SIGN SUPPORTS FOR TEMPORARY SIGNS WZD-125-E TEMPORARY TRAFFIC CONTROL DEVICES

UTILITIES

CONSUMERS ENERGY 700 E STERNBERG ROAD NORTON SHORES, MI 4944I (231) 332-2682

MIKE THOMPSON

FRONTIER COMMUNICATIONS 860 TERRACE STREET MUSKEGON MI 49440

NATURAL GAS ANTHONY FERRIER

DTE ENERGY 2359 OLTHOFF DRIVE MUSKEGON MI 49444

CABLE COMCAST

CITY OF MUSKEGON - DPW 1350 E KEATING AVENUE MUSKEGON MI 49442 (231) 724-4100

NOTE:

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THESE IMPROVEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2018 AASHTO GUIDELINES.

GENERAL NOTES:

- EXISTING CONDITIONS INCLUDING ELEVATIONS ARE SUBJECT TO CHANGE DUE TO CONSTRUCTION OUTSIDE THE CONTROL OF THE CITY OF MUSKEGON. CONTRACTOR IS TO VERIFY EXISTING CONDITIONS OF THE SITE, MATCH ALL EXISTING MEETS AND COORDINATE WORK ACTIVES WITH
- 2. UPON REQUEST AND APPROVAL, THE CONTRACTOR MAY OBTAIN A WATER SUPPLY FROM THE CITY OF MUSKEGON FIRE HYDRANTS AT NO COST, PROVIDED THAT THEY FOLLOW THE CONDITIONS OF
- 3. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL MISS DIG, I-800-482-7171, A MINIMUM OF 3 WORKING DAYS EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO EXCAVATING IN THE VICINITY OF ALL UTILITY LINES. ALL MISS DIG PARTICIPATING MEMBERS WILL THUS BE NOTIFIED, THIS DOES NOT RELIEVE THE CONTRACTOR THE RESPONSIBILITY OF NOTIFYING OWNERS WHO MAY NOT BE PART OF THE MISS DIG ALERT SYSTEM.
- 4. PUBLIC UTILITIES OF ALL TYPES HAVE BEEN SHOWN ON THE PLAN USING AVAILABLE INFORMATION, BUT ARE NOT GUARANTEED AS ACCURATE OR THAT UTILITIES OTHER THAN THOSE
- 5. THE CONTRACTOR SHALL SAW CUT ALL MEETS RELATIVE TO SIDEWALK OR PAVEMENT CONSTRUCTION UNLESS WAIVED BY THE ENGINEER. PAYMENT FOR SAW CUTTING SHALL BE INCLUDED IN THE PAYMENT FOR THE PAY ITEMS PAVT, REM, MODIFIED; CURB AND GUTTER, REM; AND/OR SIDEWALK, REM. NO ADDITIONAL PAYMENT WILL ALLOWED FOR SAW CUTTING.
- 6. THE CONTRACTOR SHALL PREVENT EROSION AND CONTROL SEDIMENTATION ASSOCIATED WITH THE PROJECT. KEEP SEDIMENTATION WITHIN THE RIGHT OF WAY (OR CONSTRUCTION LIMITS) AND OUT OF SURFACE WATERS. CONSTRUCT AND MAINTAIN TEMPORARY EROSION AND SEDIMENTATION CONTROLS, TO INCLUDE INLET PROTECTION, FABRIC DROPS ON ALL INLET STRUCTURES NEW AND EXISTING AND INSTALL TEMPORARY EROSION, SEDIMENTATION CONTROLS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REMOVE ON A DAILY BASIS SOIL TRACKED ONTO EXISTING PAVED ROADS, (VACUUM METHODS ARE PREFERRED BUT BROOM SWEEPING IS ACCEPTABLE IF THE MATERIAL IS REMOVED) THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION / SEDIMENTATION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER EACH RAIN FALL EVENT, CLEAN REPAIR, OR REPLACE, AS NECESSARY, TO ENSURE PROPER FUNCTION. ALL SOIL EROSION / SEDIMENTATION CONTROLS SHALL REMAIN UNTIL ALL DISTURBED AREAS ARE STABILIZED. ALL SOIL EROSION / SEDIMENTATION CONTROL, EXCEPT FOR THE EROSION CONTROL, INLET PROTECTION, FABRIC DROP AND SILT FENCE SHALL BE INCLUDED WITH THE PAY ITEM PROJECT CLEAN UP. NO OTHER PAYMENT SHALL BE MADE.



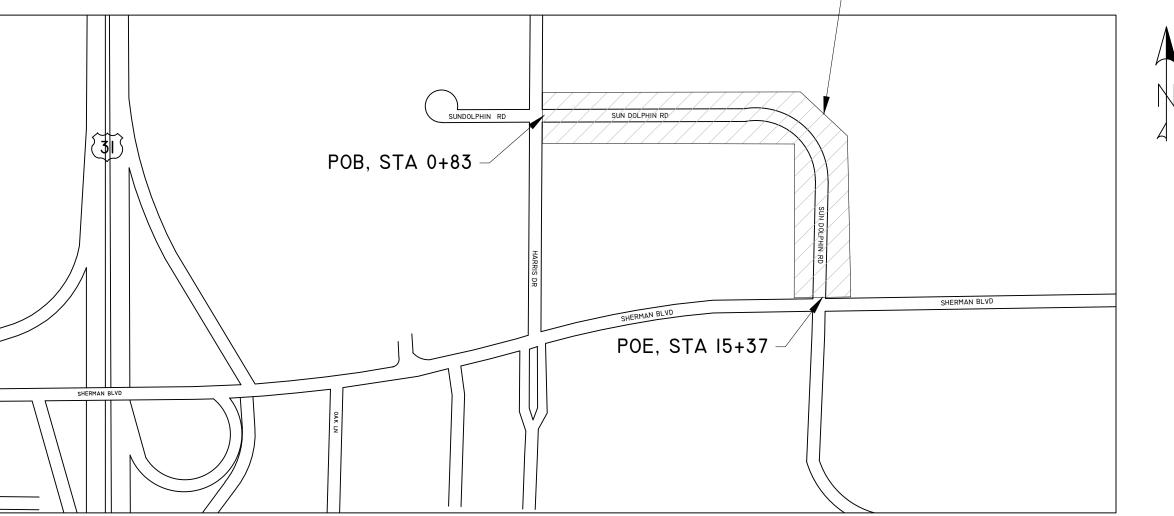
CITY OF MUSKEGON

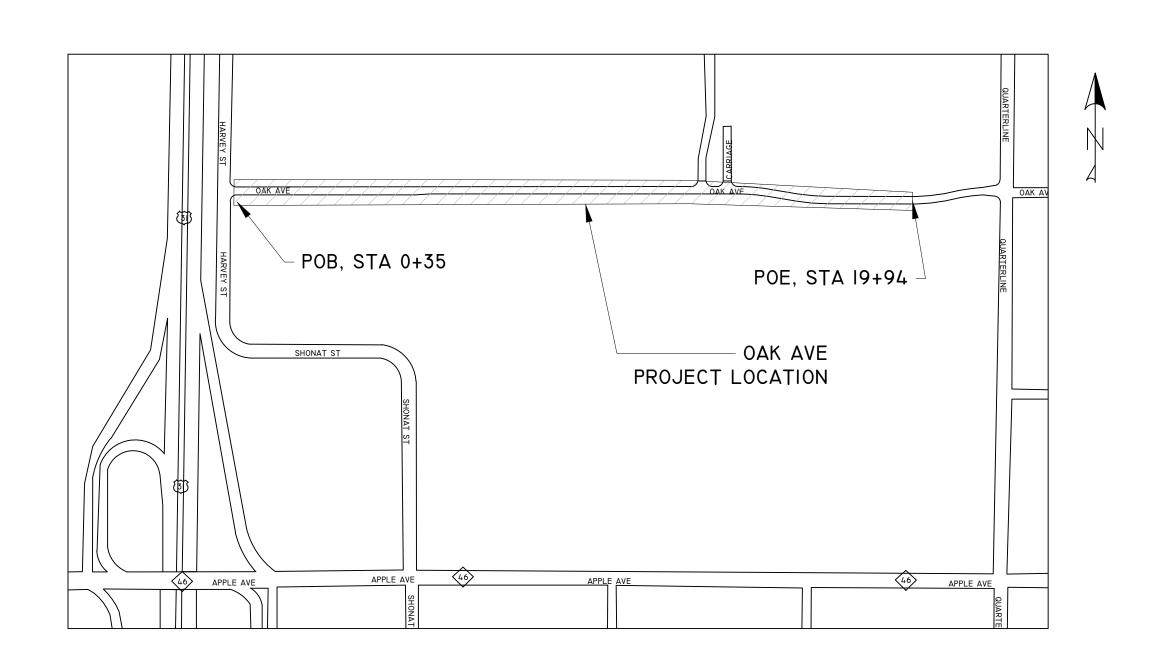
PLAN AND PROFILE OF PROPOSED SUN DOLPHIN RD & OAK AVE

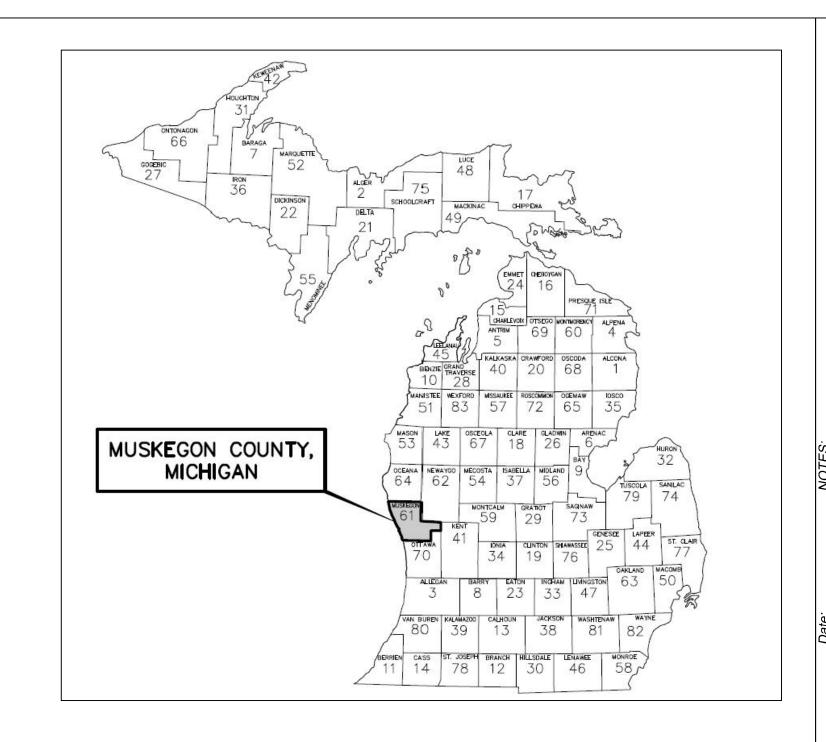
HMA RESURFACING

JOB NUMBER: H92405

SUNDOLPHIN PROJECT LOCATION







SHEET INDEX

DESCRIPTION TITLE SHEET

SUNDOLPHIN RD PLAN SHEET OAK AVE PLAN SHEET

MUSKEGON

West Michigan's Shoreline City www.shorelinecity.com

CONSTRUCTION INCLUDES 0.64 MILES OF HMA PAVEMENT RECONSTRUCTION; INCLUDING HMA REMOVAL, HMA PAVEMENT, CONCRETE SIDEWALKS, AND CURB & GUTTER ON SUN DOLPHIN RD AND OAK AVE IN THE CITY OF MUSKEGON, MUSKEGON COUNTY.

PREPARED UNDER THE SUPERVISION OF:

DAN VANDERHEIDE P.E. CITY ENGINEER

REVISION

CHECKED

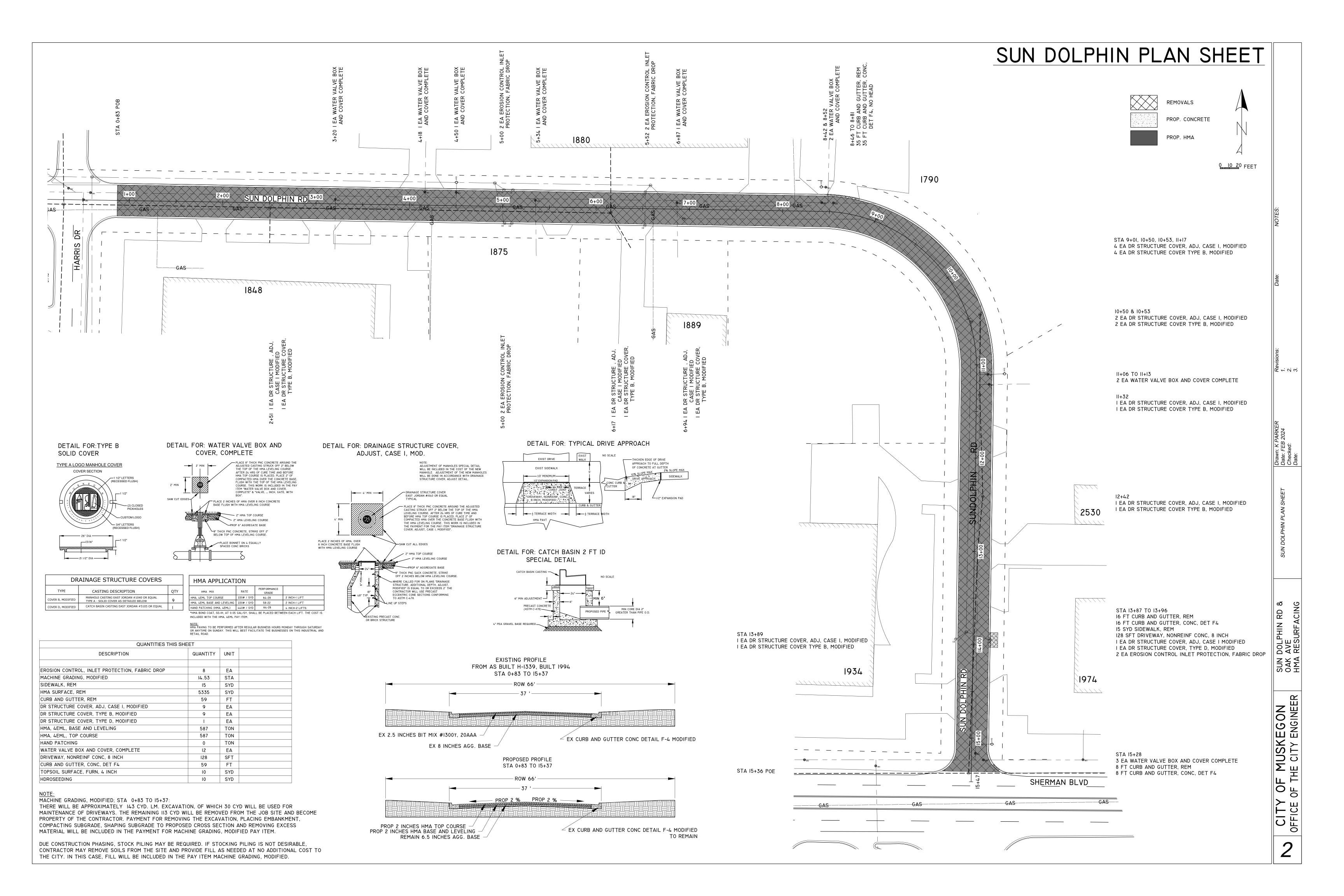
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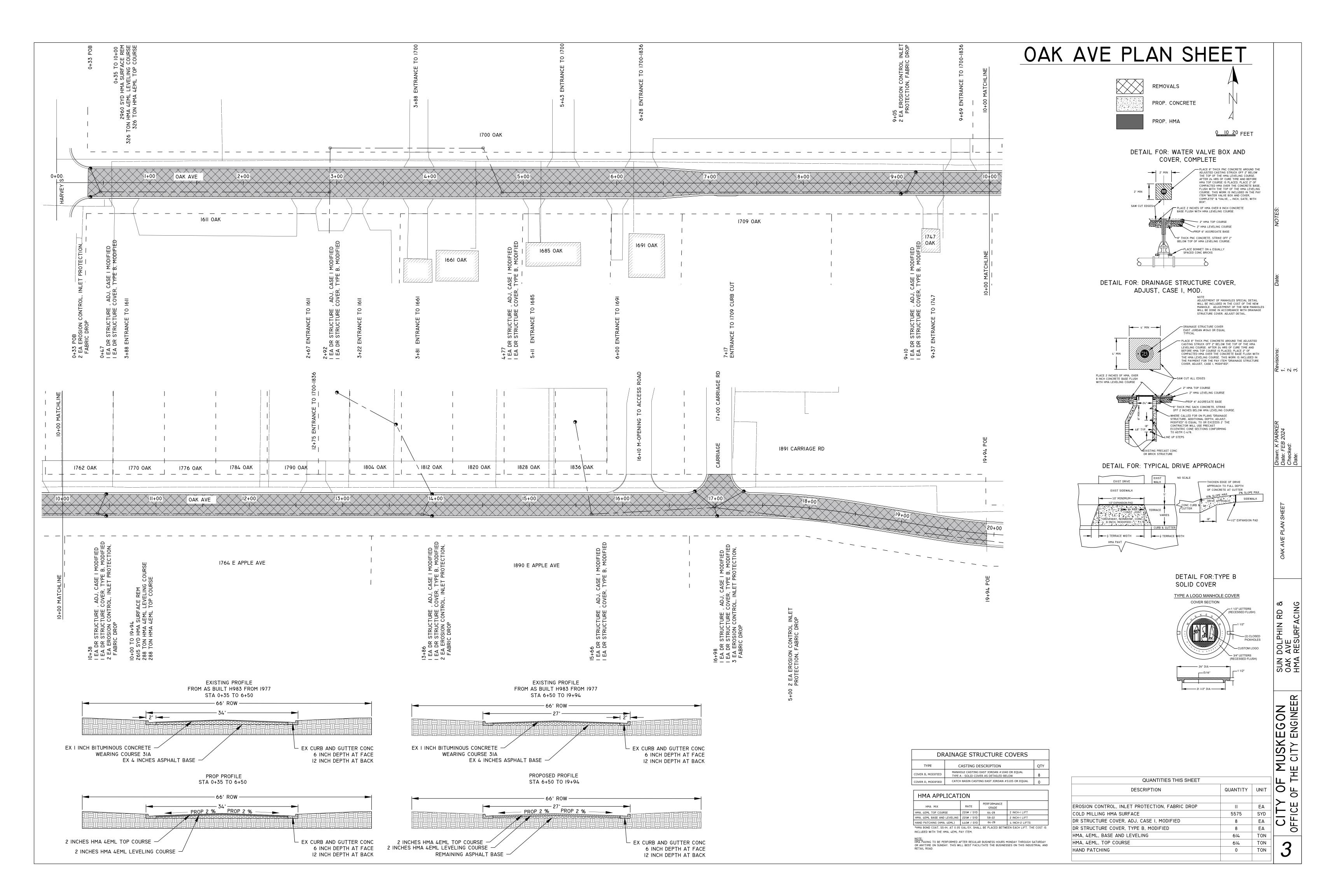
57004 REGISTRATION NUMBER CITY OF MUSKEGON ENGINEERING DEPARTMENT 1350 E KEATING AVE MUSKEGON MI 49442

CITY OF MUSKEGON SUN DOLPHIN RD & OAK OFFICE OF THE CITY ENGINEER | AVE HMA RESURFACING DRAWN K PARKER 2/2024 REVISION

SURVEY H-92405 AS-BUILT SHEET NO. I OF 3

F MUSKEGON THE CITY ENGINEER





SUN DOLPHIN TRAFFIC CONTROL

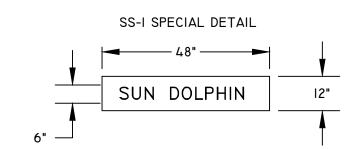
SUNDOLPHIN NOTE: I- CONTRACTOR SHALL MAINTAIN ONE WAY NORTHBOUND LOCAL

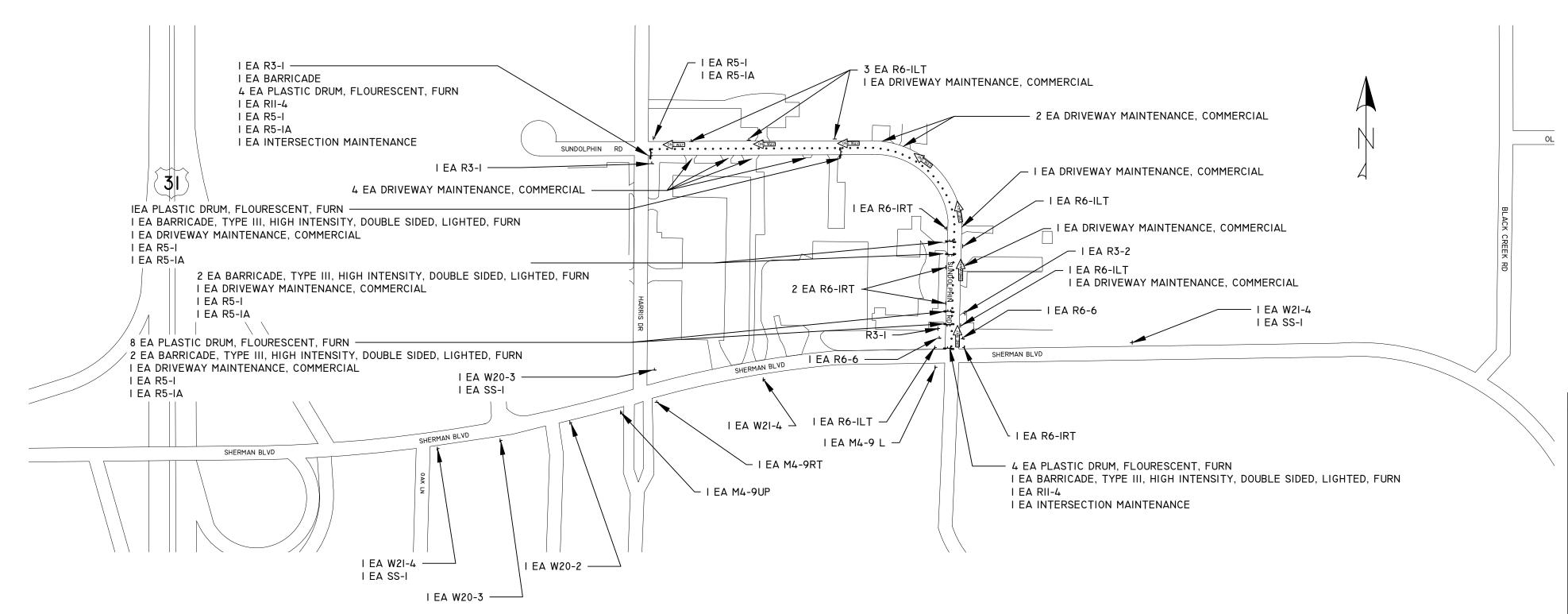
- TRAFFIC FROM SHERMAN TO HARRIS.

 2- INTERSECTION AND DRIVEWAY MAINTENANCE TO BE ACCOMPLISHED WITH MILLINGS AS DIRECTED BY ENGINEER AS PAY ITEM INTERSECTION MAINTENANCE AND DRIVEWAY MAINTENANCE, COMMERCIAL BY THE EA. MAINTENANCE NO LONGER NECESSARY A
- FTER BASE COURSE HMA.

 3- IN ADDITION TO THE IOO BARRELS IN THE TRAFFIC CONTROL PLAN, AN ADDITIONAL 30 BARRELS SHOULD BE AVAILABLE TO MARK
- OBSTRUCTIONS AND DEFINE DRIVE OPENINGS.

 HMA TOP COURSE TO BE DONE ON SATURDAY OR SUNDAY WHEN TRAFFIC VOLUMES ARE THE LOWEST





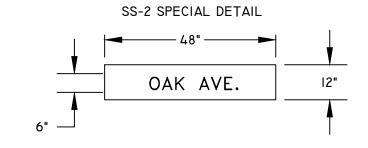
SIGN, TYPE B, TEMPORARY					
SIGN	DESCRIPTION	QUANTITY	DIM	AREA	TOTAL
M4-9 L	DETOUR LEFT	1	24X30	5 SFT	5 SFT
M4-9 UP	DETOUR UP	1	24X30	5 SFT	5 SFT
M4-9 RT	DETOUR RIGHT	1	24X30	5 SFT	5 SFT
R3-I	NO RIGHT TURN	2	24X24	4 SFT	8 SFT
R3-2	NO LEFT TURN	1	24X24	4 SFT	4 SFT
R5-I	DO NOT ENTER	5	30X30	6.25 SFT	32 SFT
R5-IA	WRONG WAY	5	24X36	6 SFT	30 SFT
R6-6	ONE WAY BEGINS	2	30X36	7.5 SFT	I5 SFT
R6-I RT	ONE WAY ARROW RIGHT	4	36XI2	3 SFT	12 SFT
R6-I LT	ONE WAY ARROW LEFT	6	36XI2	3 SFT	18 SFT
RII-4	ROAD CLOSED TO THRU TRAFFIC	2	30X60	12.5 SFT	25 SFT
W20-2	DETOUR AHEAD	1	48X48	I6 SFT	I6 SFT
W20-3	ROAD CLOSED AHEAD	2	48X48	I6 SFT	32 SFT
W21-4	ROAD WORK AHEAD	3	48X48	I6 SFT	48 SFT
					255 SFT

SIGN, T	YPE B, TEMPORARY, SPECIAL			
DESCRIPTION	QUANTITY	AREA	TOTAL	
SS-I	3	4 SFT	I2 SFT	
			I2 SFT	

QUANTITIES FOR SUN DOLPHIN RD			
DESCRIPTION	QUANTITY	UNIT	
MINOR TRAFFIC DEVICES	1	LS	
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, FURN	6	EA	
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, OPER	6	EA	
PLASTIC DRUM, FLUORESCENT, FURN	130	EA	
PLASTIC DRUM, FLUORESCENT, OPER	130	EA	
SIGN, TYPE B, TEMP, PRISMATIC, FURN	255	SFT	
SIGN, TYPE B, TEMP, PRISMATIC, OPER	255	SFT	
SIGN, TYPE B, TEMP, PRISMATIC, SPECIAL, FURN	12	SFT	
SIGN, TYPE B, TEMP, PRISMATIC, SPECIAL, OPER	12	SFT	
DRIVEWAY MAINTENANCE, COMMERCIAL	15	EA	
INTERSECTION MAINTENANCE	4	EA	

OAK AVE. NOTE:

- I- CONTRACTOR SHALL MAINTAIN LOCAL TRAFFIC FROM HARVEY ST. TO QUARTERLINE RD. ON MILLED SURFACE.
- 2- INTERSECTION AND DRIVEWAY MAINTENANCE TO BE ACCOMPLISHED WITH MILLINGS AS DIRECTED BY ENGINEER AS PAY ITEM INTERSECTION MAINTENANCE AND DRIVEWAY MAINTENANCE, COMMERCIAL BY THE EA. MAINTENANCE NO LONGER NECESSARY AFTER BASE COURSE HMA.
- 3- IN ADDITION TO THE 8 BARRELS IN THE TRAFFIC CONTROL PLAN, AN ADDITIONAL 30 BARRELS SHOULD BE AVAILABLE TO MARK OBSTRUCTIONS AND DEFINE DRIVE OPENINGS.



OAK AVE TRA	AFFIC CONTROL
I EA W2I-4 I EA SS-2 I EA W20-3	I EA BARRICADE 4 EA PLASTIC DRUM, FLOURESCENT, FURN I EA RII-4 I EA INTERSECTION MAINTENANCE
	4 EA DRIVEWAY MAINTENANCE, RESIDENTIAL NTENANCE, COMMERCIAL I EA W20-3 I EA W21-4 I EA SS-2
APPLE AVE APPLE AVE APPLE AVE 46	APPLE AVE APPLE AVE APPLE AVE APPLE AVE

	SIGN, TYPE B, TEMPORARY						
SIGN DESCRIPTION QUANTITY DIM ARE					AREA	TOTAL	
	RII-4	ROAD CLOSED TO THRU TRAFFIC	2	30X60	12.5 SFT	25 SFT	
	W20-3	ROAD CLOSED AHEAD	4	48X48	I6 SFT	64 SFT	
	W21-4	ROAD WORK AHEAD	4	48X48	I6 SFT	64 SFT	
						I53 SFT	

SIGN, TYPE B, TEMPORARY, SPECIAL				
QUANTITY	AREA	TOTAL		
4	4 SFT	I6 SFT		
	QUANTITY	QUANTITY AREA		

QUANTITIES FOR OAK AVE		
DESCRIPTION	QUANTITY	UNIT
MINOR TRAFFIC DEVICES	1	LS
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, FURN	2	EA
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, OPER	2	EA
PLASTIC DRUM, FLUORESCENT, FURN	38	EA
PLASTIC DRUM, FLUORESCENT, OPER	38	EΑ
SIGN, TYPE B, TEMP, PRISMATIC, FURN	153	SFT
SIGN, TYPE B, TEMP, PRISMATIC, OPER	153	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPECIAL, FURN	16	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPECIAL, OPER	16	SFT
DRIVEWAY MAINTENANCE, COMMERCIAL	7	EA
DRIVEWAY MAINTENANCE, RESIDENTIAL	4	EA
INTERSECTION MAINTENANCE	2	EA

CITY OF MUSKEGON

Q 7.01 €.