

COMMUNITY DEVELOPMENT DEPARTMENT

45175 Ten Mile Road Novi, MI 48375 (248) 347-0415 Phone (248) 735-5600 Facsimile www.cityofnovi.org

(b) The property is unique because____

(c) Petitioner did not create the condition because_____

ZONING BOARD OF APPEALS STAFF REPORT

FOR: City of Novi Zoning Board of Appeals **ZONING BOARD APPEALS DATE:** June 14, 2022 REGARDING: 24295 Haggerty Road, Parcel # 50-22-24-476-030 (PZ22-0024) BY: Larry Butler, Deputy Director Community Development **GENERAL INFORMATION: Applicant** Nowak & Fraus Engineers Variance Type Dimensional Variance **Property Characteristics** Zoning District: This property is zoned General Business (B-3) Location: Northwest corner of 10 Mile and Haggerty Road Parcel #: 50-22-24-476-030 <u>Request</u> The applicant is requesting a variance from the City of Novi Zoning Ordinance Section 3.10.3.A to allow 2 overhead doors to face a major thoroughfare (Ten Mile Road). This property is zoned General Business (B-3) **II. STAFF COMMENTS: III. RECOMMENDATION:** The Zoning Board of Appeals may take one of the following actions: 1. I move that we grant the variance in Case No. PZ22-0024, sought by for because Petitioner has shown practical difficulty requiring ____ (a) Without the variance Petitioner will be unreasonably prevented or limited with respect to use of the property because

																	<u> </u>				
		(d)		reliet perties														nt or -	sur	roun	ding
		(e)	The	relie			sisten									the	ord —	linand	ce	beco	ause
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		(d)	The	varia	nce v	voulc	d resu	ılt in i	nter	ferei	nce	with	the o	adja	cent	and	surro	oundir	ng p	rope	erties
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		(e)	Gra	nting	the v	ariar	nce w	ould/	be	inco	nsist	ent v	vith t	he si	oirit d	and i	ntent	of th	ne o	rdino	ınce
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Should you have any further questions with regards to the matter please feel free to contact me at (248) 347-0417.

Larry Butler

Deputy Director Community Development, City of Novi



Community Development Department 45175 Ten Mile Road

Novi, MI 48375 (248) 347-0415 Phone (248) 735-5600 Facsimile www.cityofnovi.org

MAY 0 5 2022 ZONING BOARD OF APPEALS **APPLICATION**

CITY OF NOVI

COMMUNITY DEVAPPRICATION MUST BE FILLED OUT COMPLETELY

I. PROPERTY INFORMATION (Add	ress of subject ZBA Co	ase)	Application Fee: _	600- MNX 14,2022 12-0024
PROJECT NAME / SUBDIVISION				- 1.1 -
Lithia Motors, Inc. Audi of Novi		1 6 %	Meeting Date: 🕜	MNK 14, 2022
ADDRESS		LOT/SIUTE/SPACE #		
24295 Haggerty Road SIDWELL #	NA muslman al	tained from the	ZBA Case #: PZ	12-0024
50-22- <u>24</u> <u>476</u> <u>030</u>		Department		
CROSS ROADS OF PROPERTY	(240) 547-0	0400	1	
NE corner of the intersection of 10 Mile Road and Haggerty R				
IS THE PROPERTY WITHIN A HOMEOWNER'S ASS	SOCIATION JURISDICTION?	REQUEST IS FOR:	COMMERCIAL DVACANT F	Property signage
DOES YOUR APPEAL RESULT FROM A NO	TICE OF VIOLATION OR (CITATION ISSUED?	YES ✓ NO	
II. APPLICANT INFORMATION				
A. APPLICANT	EMAIL ADDRESS jlonghurst@nfe-engr.com		CELL PHONE NO.	
NAME	1, 0,		TELEPHONE NO.	
Jason R. Longhurst, P.E.			248-332-7931	
ORGANIZATION/COMPANY			FAX NO.	
Nowak and Fraus Engineers				
ADDRESS		CITY	STATE	ZIP CODE
46777 Woodward Avenue		Pontiac	MI	48342
B. PROPERTY OWNER CHECK H	IERE IF APPLICANT IS ALSO	THE PROPERTY OWNER		
Identify the person or organization that owns the subject property:	EMAIL ADDRESS		CELL PHONE NO.	
NAME			TELEPHONE NO.	
Lithia Real Estate Ince			541-734-3040	
ORGANIZATION/COMPANY			FAX NO.	
Lithia Motors, Inc.				
ADDRESS		CITY	STATE	ZIP CODE
150 N. Bartlett Street		Medford	OR	97501
A. ZONING INFORMATION A. ZONING DISTRICT				
\square R-A \square R-1 \square R-2	□ R-3 □ R-4	\square RM-1 \square RM-2	ШМН	
□ I-1 □ I-2 □ RC	☐TC ☐TC-1	✓ OTHER B-3		
B. VARIANCE REQUESTED				
INDICATE ORDINANCE SECTION (S) AND	VARIANCE REQUESTED:			
	Variance requested		erhead doors facing 10 Mile Road	
2. Section_3.1.12.D	Variance requested	Variance requested to allow the no	orth parking setback to be reduced to 4 fe	eet.
3. Section 28-5 Permanent signs	Variance requested	Variance requested to allow a total 76	85 SF of signs facing 10 Mile Road Ordinan	ce allows for 71.25 SF
4. Section	Variance requested			
IV. FEES AND DRAWNINGS	1 H (25 S A)	1.00	XIII dan, F.S., at 100	
A. FEES				
☐ Single Family Residential (Existin	g) \$200 🔲 (With Viola	ation) \$250 🔲 Single	Family Residential (New)	\$250
✓ Multiple/Commercial/Industrial	\$300 [With Viole	ation) \$400 🗹 Signs	\$300 (With Violation)	\$400
House Moves \$300		eetings (At discretion	of Board) \$600	
	ITAL COPY SUBMITTED			
Dimensioned Drawings and PlansSite/Plot Plan		 Location of ex 	osed distance to adjace isting & proposed signs, it	
 Existing or proposed buildings or of the state o			elevations rmation relevant to the V	ariance application
		*		



ZONING BOARD OF APPEALS APPLICATION

V. VARIANCE				
A. VARIANCE (S) REQUESTED				
☑DIMENSIONAL ☐ USE ☑ SIGN				
There is a five-(5) hold period before work/action can be taken on variance approvals.				
B. SIGN CASES (ONLY) Your signature on this application indicates that you agree to install a Mock-Up Sign ten-(10) days before the scheduled ZBA meeting. Failure to install a mock-up sign may result in your case not being heard by the Board, postponed to the next schedule ZBA meeting, or cancelled. A mock-up sign is NOT to be an actual sign. Upon approval, the mock-up sign must be removed within five-(5) days of the meeting. If the case is denied, the applicant is responsible for all costs involved in the removal of the mock-up or actual sign (If erected under violation) within five-(5) days of the meeting.				
C. ORDINANCE				
City of Novi Ordinance, Section 3107 – Miscellaneous				
No order of the Board permitting the erection of a building shall be valid for a period longer than one-(1) year, unless a building permit for such erection or alteration is obtained within such period and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.				
No order of the Board permitting a use of a building or premises shall be valid for a period longer than one-hundred and eighty-(180) days unless such use is established within such a period; provided, however, where such use permitted is dependent upon the erection or alteration of a building such order shall continue in force and effect if a building permit for such erection or alteration is obtained within one-(1) year and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.				
D. APPEAL THE DETERMINATION OF THE BUILDING OFFICIAL				
PLEASE TAKE NOTICE:				
The undersigned hereby appeals the determination of the Bullding Official / Inspector or Ordinance made				
Construct new home/building Addition to existing home/building Isignage				
ACCESSORY BUILDING USE OTHER				
VI. APPLICANT & PROPERTY SIGNATURES				
VI. APPLICANT & PROPERTY SIGNATURES				
VI. APPLICANT & PROPERTY SIGNATURES				
VI. APPLICANT & PROPERTY SIGNATURES A. APPLICANT 5/2/22				
VI. APPLICANT & PROPERTY SIGNATURES A. APPLICANT Applicant Signature B. PROPERTY OWNER				
VI. APPLICANT & PROPERTY SIGNATURES A. APPLICANT Applicant Signature S 2 22 Date				
VI. APPLICANT & PROPERTY SIGNATURES A. APPLICANT Applicant Signature B. PROPERTY OWNER If the applicant is not the owner, the property owner must read and sign below: The undersigned affirms and acknowledges that he, she or they are the owner(s) of the property described in this				
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Community Development Department

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REVIEW STANDARDS DIMENSIONAL VARIANCE

The Zoning Board of Appeals (ZBA) will review the application package and determine if the proposed Dimensional Variance meets the required standards for approval. In the space below, and on additional paper if necessary, explain how the proposed project meets each of the following standards. (Increased costs associated with complying with the Zoning Ordinance will not be considered a basis for granting a Dimensional Variance.)

Standard #1. Circumstances or Physical Conditions.

Explain the circumstances or physical conditions that apply to the property that do not apply generally to other properties in the same zoning district or in the general vicinity. Circumstances or physical conditions may include:

a. Shape of Lot. Exceptional narrowness, shallowness or shape of a specific property in existence on the effective date of the Zoning Ordinance or amendment. Describe below:

The dealership is subject to a Corporate Branding Requirement. The arrangement of the showroom with adjacency to the service department, and the requirement for drive through service, are mandated by Audi. Due to these requirements and the corner lot condition, any re-orientation of the building would still not comply with the requirement in Section 3.10.3.A.

OR

b. Environmental Conditions. Exceptional topographic or environmental conditions or other extraordinary situations on the land, building or structure. **Describe below:**

OR

c. Abutting Property. The use or development of the property immediately adjacent to the subject property would prohibit the literal enforcement of the requirements of the Zoning Ordinance or would involve significant practical difficulties. **Describe** below:

Standard #2. Not Self-Created.

Describe the immediate practical difficulty causing the need for the Dimensional Variance, that the need for the requested variance is not the result of actions of the property owner or previous property owners (i.e., is not self-created).

The dealership is subject to a Corporate Branding Requirement where the orientation and adjacency of the service drive in relation to the showroom are mandated by the agreement.

Standard #3. Strict Compliance.

Explain how the Dimensional Variance in strict compliance with regulations governing area, setback, frontage, height, bulk, density or other dimensional requirements will unreasonably prevent the property owner from using the property for a permitted purpose, or will render conformity with those regulations unnecessarily burdensome.

The dealership is subject to a Corporate Branding Requirement. The arrangement of the showroom with adjacency to the service department, and the requirement for drive through service, are mandated by Audi. Due to these requirements and the corner lot condition, any re-orientation of the building would still not comply with the requirement in Section 3.10.3.A.

Standard #4. Minimum Variance Necessary.

Explain how the Dimensional Variance requested is the minimum variance necessary to do substantial justice to the applicant as well as to other property owners in the district.

Due to the brand requirements and the corner lot condition, any re-orientation of the building would still not comply with the requirement in Section 3.10.3.A. To have a clearly identifiable service drive location available for customers that visit the site, we are requesting a variation to allow overhead doors to face 10 Mile Road.

Standard #5. Adverse Impact on Surrounding Area.

Explain how the Dimensional Variance will not cause an adverse impact on surrounding property, property values, or the use and enjoyment of property in the neighborhood or zoning district.

This site is located at the intersection of 10 Mile Road and Haggerty Road, directly adjacent to other business sites in all directions. When considering the existing building conditions, proposed building, as well as proposed landscape conditions, the granting of this variance will in no way negatively impact surrounding properties.

Owner

LITHIA MOTORS, INC. 150 N. BARTLETT STREET MEDFORD, OREGON 97501

CONTACT: MS. ANNE BRECK PHONE: (541) 734-3043

EMAIL: ABRECK@LITHIA.COM

Civil Engineer

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVENUE PONTIAC, MICHIGAN 48342 CONTACT: MR. JASON R. LONGHURST, P.E.

PHONE: (248) 332-7931 EMAIL: JLONGHURST@NFE-ENGR.COM

Landscape Architect

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVENUE PONTIAC, MICHIGAN 48342 CONTACT:

MR. GEORGE OSTROWSKI PHONE: (248) 332-7931

EMAIL: GOSTROWSI@NFE-ENGR.COM

Photometric Consultant

GASSER BUSH AND ASSOCIATES 30984 INDUSTRIAL ROAD LIVONIA, MICHIGAN 48150

CONTACT: MS. TARA (VERLINDEN) NIXON, LC PHONE: (734) 742-2009 EMAIL: TVERLINDEN@GASSERBUSH.COM

LEGAL DESCRIPTION

HAGGERTY ROAD TO THE POINT OF BEGINNING.

CONTAINING 3.93 ACRES

APN: 22-24-476-030

DESCRIBED AS:

LAND SITUATED IN THE STATE OF MICHIGAN, COUNTY OF OAKLAND CITY OF NOVI

A PART OF THE SOUTHEAST $\frac{1}{4}$ OF SECTION 24, TOWN 1 NORTH, RANGE 8 EAST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 24: THENCE

S.88°40'57"W., (RECORDED AS S.88°26'40"W.) 60.02 FEET TO A POINT ON THE

(RECORDED AS 571.73 FEET) ALONG THE WESTERLY LINE OF SAID HAGGERTY ROAD TO THE POINT OF BEGINNING: THENCE S.88°26'40"W., 800.00 FEET;

S.89°56'20"E., 685.42 FEET TO THE WESTERLY LINE OF SAID HAGGERTY ROAD;

THENCE N.00°03'40"E., 190.00 FEET; THENCE N.49°33'57"E., 150.25 FEET; THENCE

WESTERLY LINE OF HAGGERTY ROAD: THENCE N.00°03'40"E., 583.59 FEET

THENCE S.00°03'40"W., 265.00 FEET ALONG THE WESTERLY LINE OF SAID

Architect

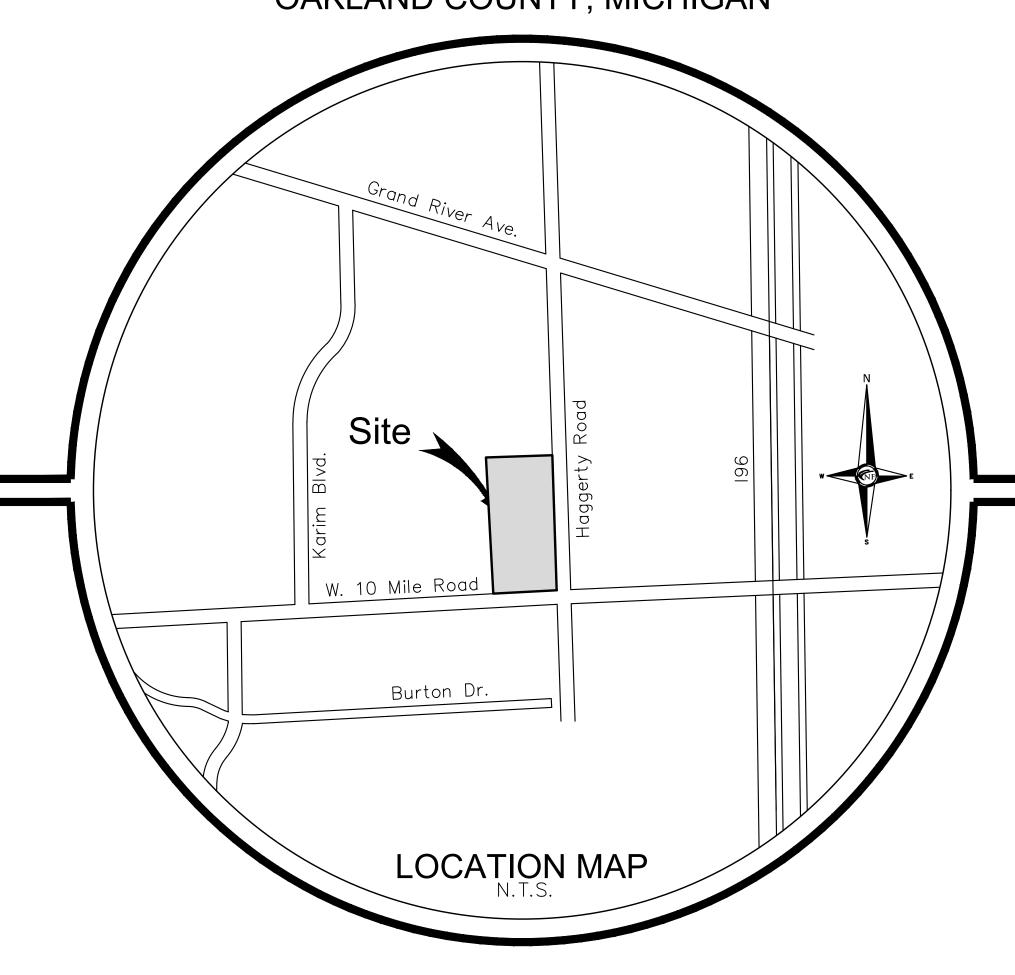
STUDIO DETROIT 2111 WOODWARD AVEUNE **SUITE 1001** DETROIT, MICHIGAN 48201 CONTACT: MR. SHANE BURLEY AIA, NCARB

EMAIL: SHANE@STUDIO-DETROIT.COM

Oakland County, Michigan Preliminary Site Plan PHONE: (313) 919-5886 Prepared For Lithia Motors, Inc.

> PART OF THE SE 1/4 OF SECTION 24, T.1N., R.8E., NOVI, OAKLAND COUNTY, MICHIGAN

City of Novi,



Project Name

Lithia Motors, Inc. Audi of Novi

SHEET INDEX

- C0 Cover Sheet
- Boundary Topographic, and Tree Survey
- Preliminary Site Plan
- Storm Water Management Plan
- Storm Water Management Calculations Soil Erosion and Sedimentation Control Plan
- Truck Maneuvering Plan
- Notes and Details
- Notes and Details
- L1 Tree Preservation Plan
- Landscape Plan
- L3 Landscape Notes and Details
- SP1.1 Site Plan
- SP1.2 Site Plan Details
- TS1.4 Composite Plan
- A2.1 Building Elevations

1 of 1 Photometric Plan

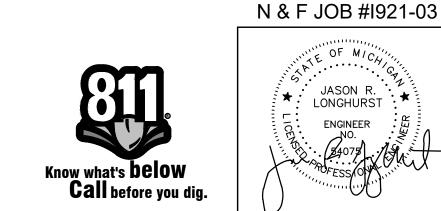
- 1 of 2 City of Novi Paving Standard Details 2 of 2 City of Novi Paving Standard Details
- 1 of 3 City of Novi Sanitary Sewer Standard Details
- 2 of 3 City of Novi Sanitary Sewer Standard Details
- 3 of 3 City of Novi Sanitary Sewer Standard Details
- 1 of 2 City of Novi Storm Sewer Standard Details
- 2 of 2 City of Novi Storm Sewer Standard Details
- 1 of 5 City of Novi Water Main Standard Details
- 2 of 5 City of Novi Water Main Standard Details
- 3 of 5 City of Novi Water Main Standard Details
- 4 of 5 City of Novi Water Main Standard Details
- 5 of 5 City of Novi Water Main Standard Details

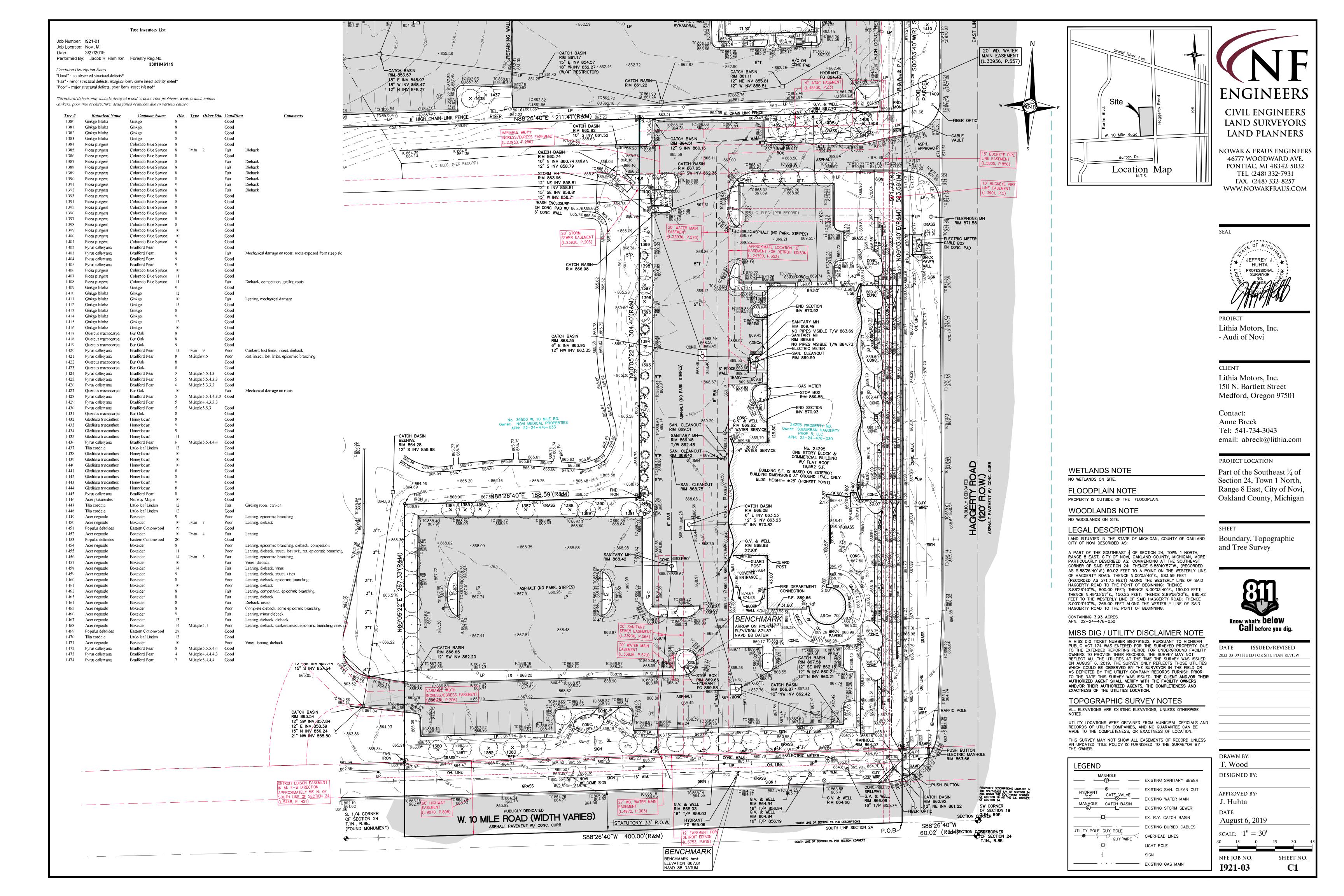
REVISIONS:

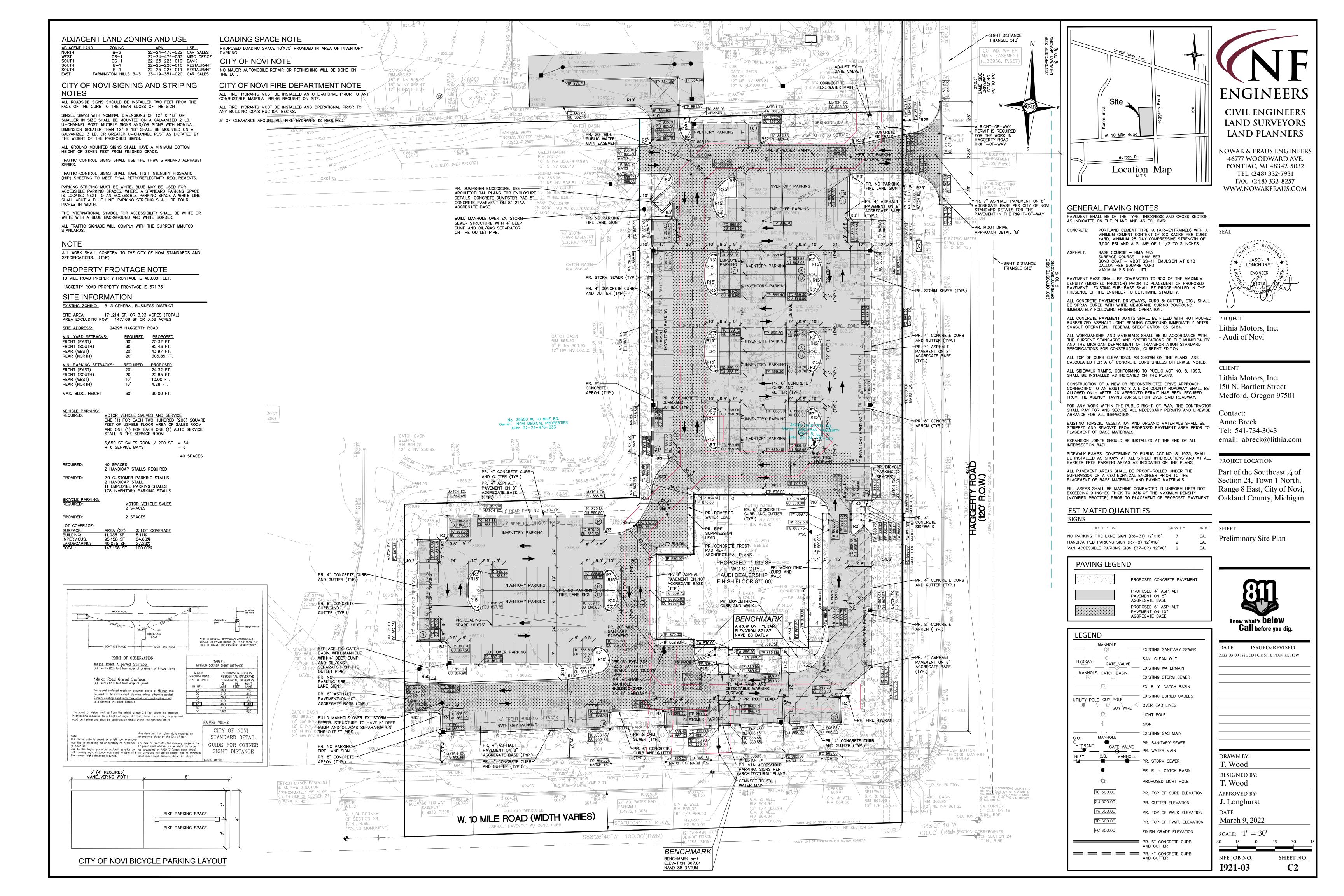
2022-03-09 ISSUED FOR SITE PLAN REVIEW

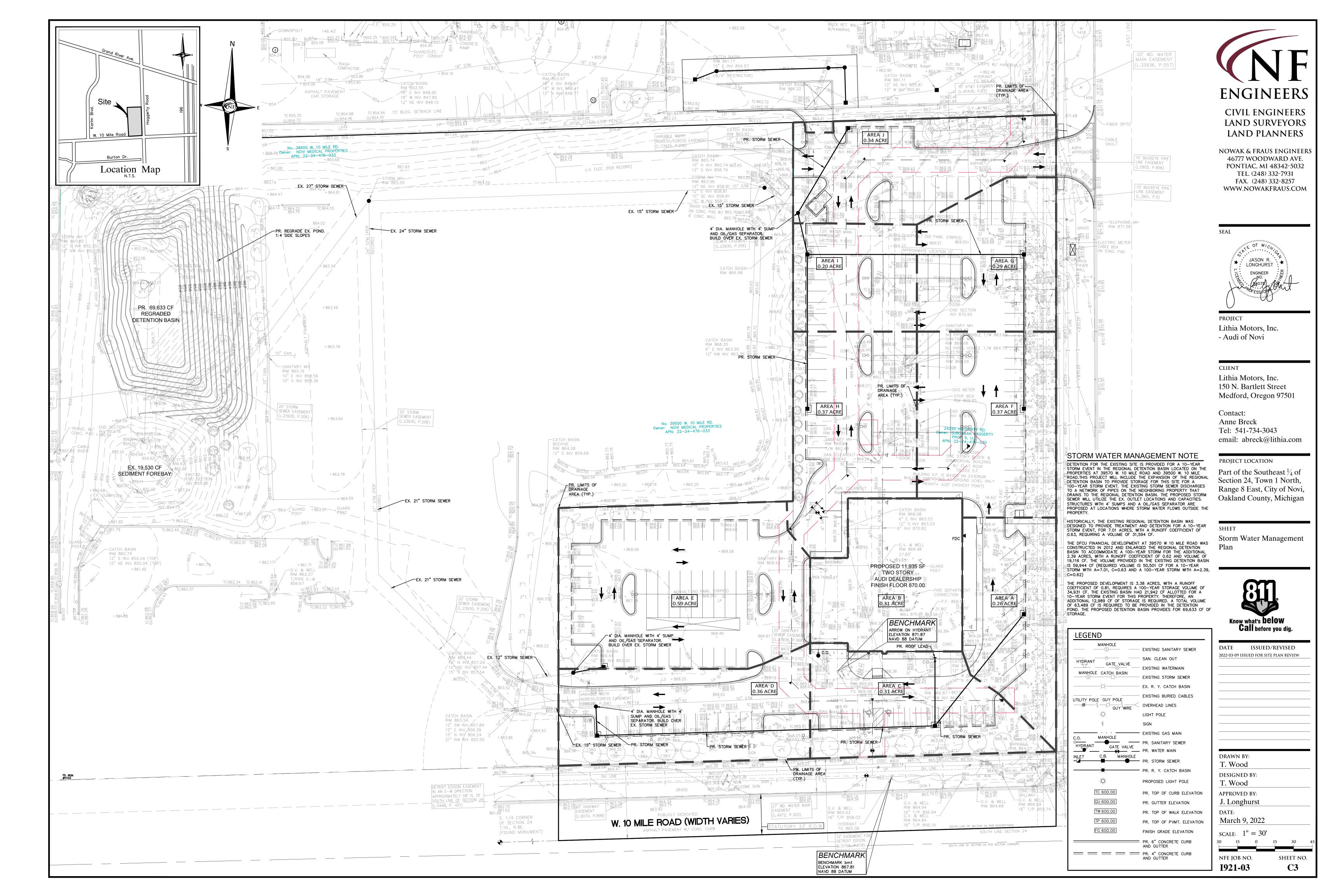
ENGINEERS CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

> NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM

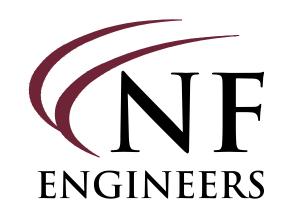






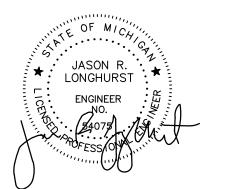


Determine :	Site Runoff Coeffic	ient:		
Propos ed Land	l Use:	Runoff Coefficient:	Drainage Area:	
Pavement Building		0.95 0.95	2.185 0.274	Acres
Bunding Lands cape / Op Detention Basi		0.95 0.35 1.00	0.274	Acres Acres
Fotal Acreage		1.00	3.379	Acres
	off Coefficient "C" Fac	etor =	0.787	
	Calculation - City of			
(100 Year S	torm Event - With			
Contributing A				Acres
Allowable Out Qa=0.15*A	flow, Qa:			CFS / Acre CFS
Runoff Coeffic	ient, C:		0.787	Impervious ness
Maximum Allo	wable Outflow, Qo: Q0	=Qa/(AxC)	0.191	CFS / (Acre * Imperv.)
Γ Storage Tim	ne (100 Year): T100= -2	5+sqrt(10312.5/Q0)	207.541	Minutes
Vs Storage Vo	lume (100 Year): Vs=1	6500xT/(T100+25)-40xQ0xT100	13,142.94	CF/ (Acre * Imperv.)
Vt Total Volun	ne (100 Year): Vt=V10	0xAxC	34,930.66	Cubic Feet
Volume Requi	red:		34,930.66	Cubic Feet
	Volume Require	ed for Audi of Novi Redevelopment	- 10 Year	
Propos ed Land		Runoff Coefficient:	Drainage Area:	
Impervious	non Cur	0.95	2.651	Acres
Lands cape / Op Detention Basi		0.35 1.00	0.728 0.000	Acres Acres
Total Acreage			3.379	Acres
Weighted Run	off Coefficient "C" Fac	etor =	0.821	
	Calculation - City of			
	orm Event - With C	Outlet (Orifice)		
Contributing A				Acres
Allowable Out Qa=0.15*A	flow, Qa:			CFS / Acre CFS
Runoff Coeffic	ient, C:		0.821	Impervious ness
Maximum Allo	owable Outflow, Qo: Q0	=Qa/(AxC)	0.183	CFS / (Acre * Imperv.)
T Storage Tim	ne (10 Year): T10=-25+	sqrt(6562.5/Q0)	164.491	Minutes
Vs Storage Vo	lume (10 Year): Vs=10	500xT/(T10+25)-40xQ0xT10	7,912.19	CF / (Acre * Imperv.)
Vt Total Volun	ne (10 Year): Vt=V10x	AxC	21,942.48	Cubic Feet
	ne Required	dume Required =	24 020 77	Cubic Feet
Existing Audi	100 Year Storage Vo - <u>-10 Year Storage Volu</u> Year - Exisitng 10 Year	me Required=	21,942.48	Cubic Feet Cubic Feet Cubic Feet
		nired Per LSG Plans 716.0001S Dated 2010-12-07	50,501.00	Cubic Feet
Total Volume l	Required=		63,489.18	Cubic Feet
Total Volume l	Provided=		69,633.54	Cubic Feet
Detention B	Basin Volume			
<u>Hevation</u>	Surface Area	Incremental Volume	Cumulative Volume	
852.89	0	2	2	
853.00	37	1,977	1,979	
854.00	3,916	4,483	6,462	
855.00	5,050	5,708	12,170	
856.00	6,366	7,097	19,266	
857.00 858.00	9,398	8,613	27,879	
858.00 859.00	11,076	10,237	38,116	
860.00	12,900	11,988	50,104	
		y Per LSG Plans 716.0001S Dated 2010-12-07	19,530	Cubic Feet
	n Bas in Volume Provid	led:	50,103.54	Cubic Feet
Total Volume 1			69,633.54	
Determine 7	Total Site Runoff C	Coefficient:		
Propos ed Land	I Use:	Runoff Coefficient:	Drainage Area:	
Impervious Lands cape / O		0.95 0.35	5.362 3.860	Acres Acres
Detention Basi	in	1.00	0.177	Acres
Total Acreage			9.399	Acres
	off Coefficient "C" Fac		0.705	
		$V_{t,ff} = 1.815 \times A \times C$		
	rst flush Volume, V	$7t, \mathbf{ff} = 1,815 \times \mathbf{A} \times \mathbf{C}$	9.399	Acres



CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



PROJECT Lithia Motors, Inc. - Audi of Novi

CLIENT Lithia Motors, Inc. 150 N. Bartlett Street Medford, Oregon 97501

Contact: Anne Breck Tel: 541-734-3043 email: abreck@lithia.com

PROJECT LOCATION

Part of the Southeast \(^1/4\) of Section 24, Town 1 North, Range 8 East, City of Novi, Oakland County, Michigan

Storm Water Management Calculations

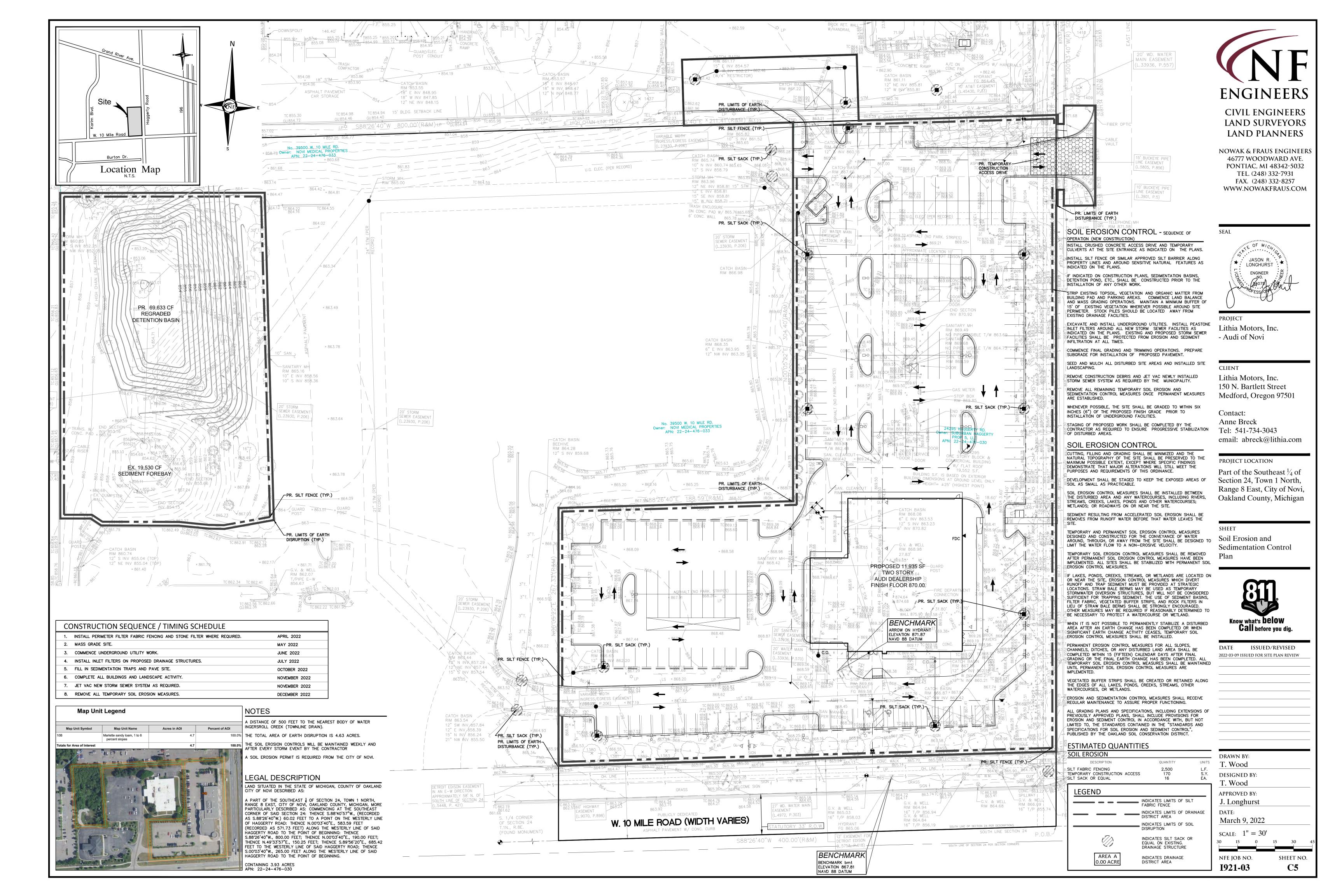


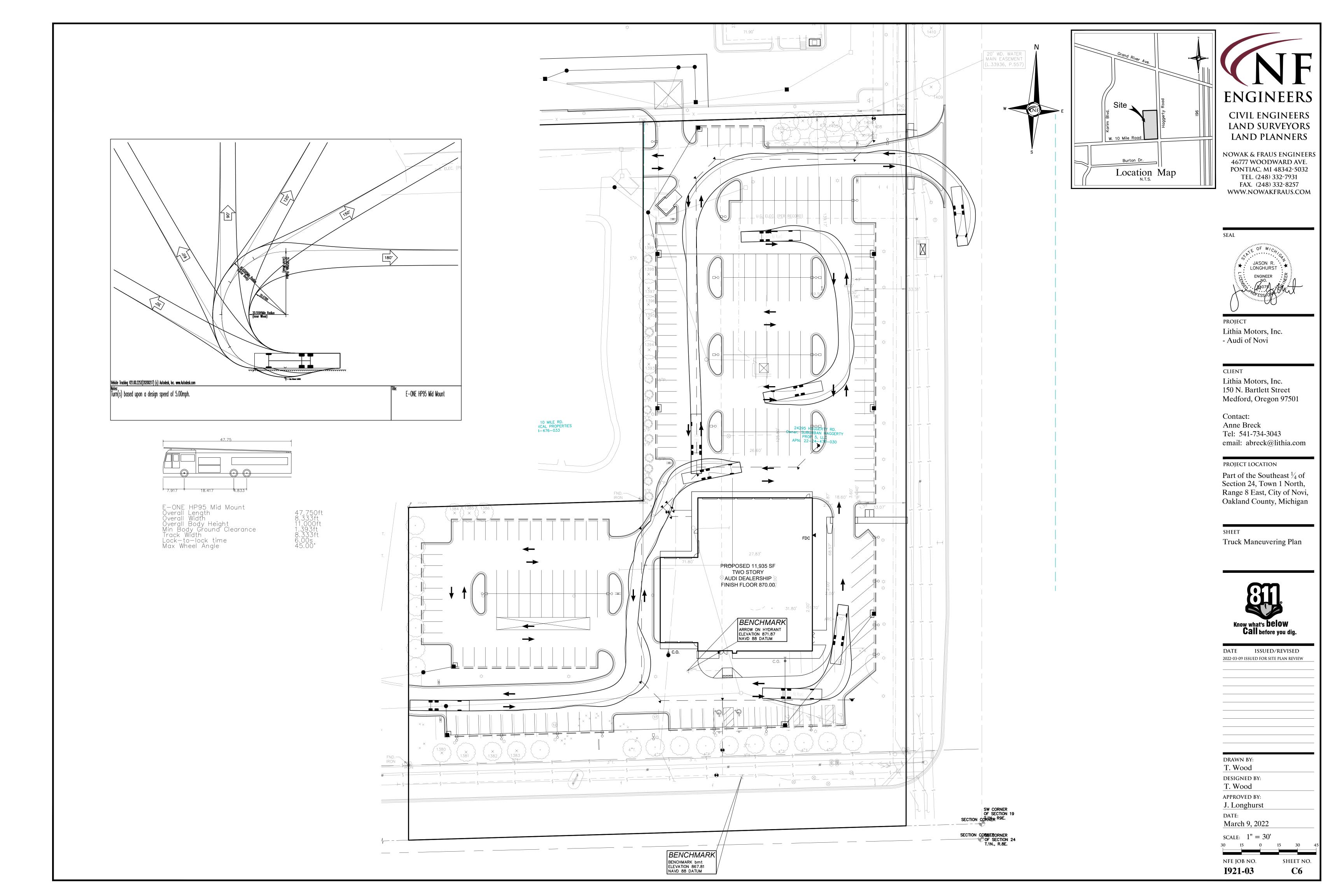
DATE	ISSUED/REVISED
2022-03-09 I	ssued for site plan review
DRAWN	BY:
T. Woo	od
DESIGNI	ED BY:
T. Woo	
APPROVI	
J. Long	ghurst

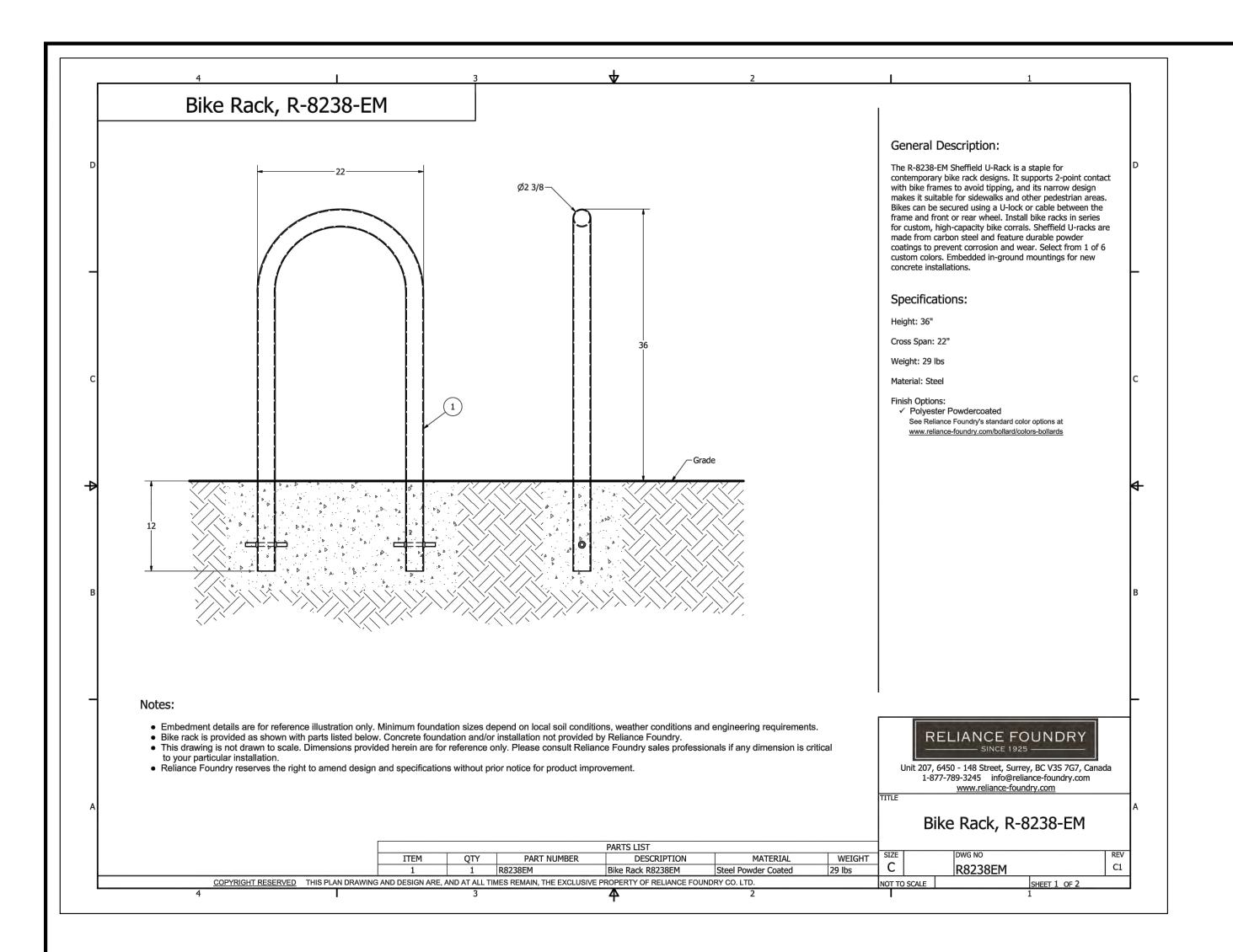
DATE: March 9, 2022

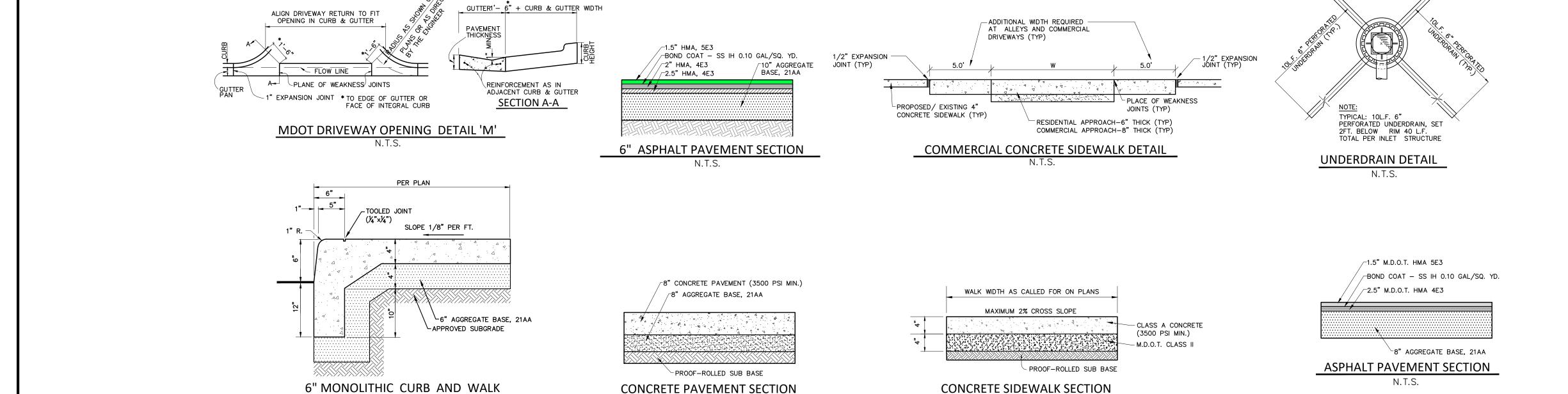
NFE JOB NO. **I921-03**

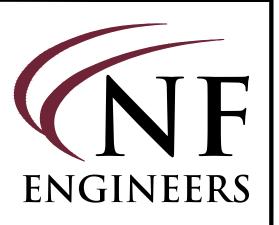
SHEET NO. **C4**











CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM

SEAL

UTILITIES

STAKE LOCATIONS OF EXISTING UTILITIES.

UTILITY COMPANY PROVIDER.

BY-PASS PUMPING

OUT ON THE PLANS OR NOT.

SATISFACTORILY COMPLETE THE CONSTRUCTION.

MAINTENANCE OF TRAFFIC

REFLECT THE PAVEMENT THICKNESS ON THE PROJECT.

REPAIR ITEMS ARE INCLUDED IN THE ACCEPTED BID PROPOSAL.

SUB-SOIL CONDITIONS

REST SOLELY WITH THE CONTRACTOR.

STRUCTURE BACKFILL

EARTH BALANCE / GRADING

HAS JURISDICTION OVER THE WORK. TRENCH BACKFILL

EARTHWORK IS BALANCED.

THE CONTRACT DOCUMENTS.

PAVEMENT REMOVAL

IRRIGATION

DAMAGE TO PRIVATE PROPERTY

SHALL NOT BE AN EXTRA TO THE CONTRACT.

AT LEAST 72 HOURS (3 WORKING DAYS) PRIOR TO THE START OF CONSTRUCTION, THE

MATERIAL AND CONFIGURATION PRIOR TO CONSTRUCTION. COSTS FOR EXPLORATORY

CONTRACTOR SHALL NOTIFY MISS DIG AND THE LOCAL COMMUNITY (WHERE APPLICABLE) TO

THE CONTRACTOR SHALL EXPOSE AND VERIFY EXISTING UTILITIES FOR LOCATION, SIZE, DEPTH,

EXCAVATION IS AN INCIDENTAL COST AND SHALL NOT BE CONSIDERED AN EXTRA TO THE

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING UTILITIES WHICH DO NOT MATCH THE PLANS AND SPECIFICATIONS PRIOR TO COMMENCING WORK. ANY FIELD CHANGES OF THE PROPOSED UTILITIES SHALL BE APPROVED BY THE OWNER AND ENGINEER BEFORE THE

THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE. ANY SERVICE OR UTILITY DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR, IN CONFORMANCE WITH THE REQUIREMENTS OF THE

ALL SIDEWALKS, DRIVEWAYS, LAWNS, FENCING, TREES, SHRUBS, SPRINKLERS, LANDSCAPING, ETC., THAT ARE DAMAGED DURING CONSTRUCTION MUST BE REPAIRED OR REPLACED, IN KIND OR BETTER, BY THE CONTRACTOR. ALL STREET SIGNS, MAIL BOXES, ETC., REMOVED SHALL BE

REPLACED IN KIND OR BETTER, BY THE CONTRACTOR. ALL THE REPAIRS OR REPLACEMENTS DUE TO THE CONTRACTOR'S WORK ARE TO BE INCLUDED IN THE CONTRACT PRICE(S) AND

THE CONTRACTOR SHALL SECURE PERMISSION IN WRITING FROM ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON ANY ADJOINING PROPERTIES, UNLESS OFFSITE PERMITS HAVE ALREADY BEEN OBTAINED BY THE OWNER AND ARE PART OF THE CONTRACT DOCUMENTS.

IF NOT SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION DESIGN DOCUMENTS, THE DESIGN OR QUALITATIVE ANALYSIS OF GROUND WATER DEWATERING SYSTEMS IS BEYOND THE SCOPE OF DESIGN FOR THESE DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING

DEWATERING OF TRENCH AND EXCAVATIONS

AND PROVIDING APPROPRIATE EXCAVATION DEWATERING SYSTEMS FOR USE DURING

UNDERGROUND UTILITIES UNLESS SPECIFICALLY INDICATED OTHERWISE.

THE DEWATERING METHOD SELECTED BY THE CONTRACTOR WILL NOT ADVERSELY AFFECT ADJACENT PAVEMENTS OR STRUCTURES PRIOR TO BEGINNING DEWATERING CONDITIONS. MEANS AND METHODS OF DEWATERING ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. THE

COST OF DEWATERING WILL BE CONSIDERED INCLUDED IN THE WORK OF CONSTRUCTING THE

FROM TIME TO TIME IT MAY BE NECESSARY FOR THE CONTRACTOR TO BY-PASS PUMP TO

CONTRACTOR AND SHALL BE CONSIDERED PART OF THE WORK WHETHER SPECIFICALLY CALLED

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEANS AND METHODS FOR

SCHEDULING THE WORK AT OFF PEAK HOURS, AND/OR MAINTAINING EXISTING FLOWS THAT MAY BE ENCOUNTERED VIA PUMPING, BY-PASS PIPING OR OTHER MEANS. THE CONTRACTOR SHALL

CONSTRUCTING THE UNDERGROUND PIPE SYSTEMS PROPOSED ON THE PLANS, INCLUDING BUT

NOT LIMITED TO THE NEED FOR SHORING/BRACING OF TRENCHES, DEWATERING OF TRENCHES,

NOT BE PAID ANY ADDITIONAL COMPENSATION TO IMPLEMENT ANY MEANS AND METHODS TO

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE THICKNESS OF THE PAVEMENT REMOVAL. PAVEMENT CORE SAMPLES ARE FOR INFORMATIONAL PURPOSES ONLY AS TO THE THICKNESS OF THE PAVEMENT AT THE LOCATION OF THE SAMPLE. THE OWNER AND ENGINEER MAKE NO REPRESENTATION, WARRANTY OR GUARANTY THAT THE SAMPLES ACCURATELY

DURING THE PROGRESS OF THE WORK THE CONTRACTOR SHALL ACCOMMODATE BOTH

VEHICULAR AND PEDESTRIAN TRAFFIC IN THE ROAD RIGHTS OF WAY. THE CONTRACTOR'S EQUIPMENT AND OPERATIONS ON PUBLIC STREETS SHALL BE GOVERNED BY ALL APPLICABLE LOCAL, COUNTY AND STATE ORDINANCES, REGULATIONS AND LAWS. THE CONTRACTOR SHALL

OBTAIN AND SATISFY ANY AND ALL PERMIT REQUIREMENTS BY THE LOCAL, COUNTY AND STATE

IN ADDITION, WHERE THE WORK REQUIRES THE CLOSURE OF ONE OR MORE LANES OR IS WITHIN THE INFLUENCE OF THE ROAD OR PEDESTRIAN RIGHT OF WAY, THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, FLAG PERSONS AND OTHER TRAFFIC CONTROL MEASURES AS REQUIRED BY MDOT, THE COUNTY, OR THE COMMUNITY HAVING JURISDICTION OF THE ROAD AND IN CONFORMANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

COMPENSATION FOR TRAFFIC CONTROL SHALL BE CONSIDERED INCLUDED IN THE CONTRACT

THE CONTRACTOR SHALL MAINTAIN OR REPAIR ANY EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT AREA UNLESS THE DRAWINGS CALL FOR THE IRRIGATION SYSTEM TO BE REMOVED. THE OWNER AND NFE MAKE NO REPRESENTATIONS, WARRANTY OR GUARANTY AS TO THE LOCATION OF THE IRRIGATION SYSTEM. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT THE IRRIGATION SYSTEM DURING CONSTRUCTION ACTIVITIES. COMPENSATION FOR MAINTAINING OR REPAIRING EXISTING IRRIGATIONS SYSTEMS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE(S) UNLESS SPECIFIC IRRIGATION SYSTEM

ANY SOIL BORING PROVIDED BY THE OWNER AND/OR ENGINEER IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THIS INFORMATION IS NOT OFFERED AS EVIDENCE OF

GROUND CONDITIONS THROUGHOUT THE PROJECT AND ONLY REFLECT THE GROUND CONDITIONS

THE ACCURACY AND RELIABILITY OF THE SOIL LOGS AND REPORT ARE NOT WARRANTED OR

GUARANTEED IN ANY WAY BY THE OWNER OR ENGINEER AS TO THE SUB-SOIL CONDITIONS FOUND ON THE SITE. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION AND

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY AND ALL SOILS WHICH DO

NOT CONFORM TO THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE

SPECIFICATIONS. THE MEANS AND METHODS USED TO ACHIEVE THE REQUIRED RESULT SHALL

ANY AREAS OF UNDERCUTTING THAT RESULT IN ADDITIONAL OR EXTRA WORK BECAUSE THEY

AND THE REQUEST SHALL CONFORM TO THE CONTRACT'S CHANGE ORDER PROVISIONS.

TRENCH BACKFILL SHALL BE PLACED IN CONFORMANCE WITH THE PLANS AND/OR

THE CASE OF CONFLICTING REQUIREMENTS, THE MORE STRINGENT SHALL APPLY.

SOIL EROSION / SEDIMENTATION CONTROL

COULD NOT BE IDENTIFIED BY THE CONTRACTOR'S PRE-BID SITE OBSERVATION OR ARE NOT

STRUCTURAL BACKFILL SHALL BE PLACED IN CONFORMANCE WITH THE PROJECT PLANS, SPECIFICATIONS OR AS REQUIRED BY THE COMMUNITY, GOVERNMENT AGENCY OR UTILITY THAT

SPECIFICATIONS. TRENCH BACKFILL SHALL ALSO BE INSTALLED IN CONFORMANCE WITH THE

COMMUNITY REQUIREMENTS OR AGENCY/UTILITY GOVERNING SAID TRENCH CONSTRUCTION. IN

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHETHER THE SITE EARTHWORK BALANCES OR NOT. ANY EXCESS CUT MATERIAL SHALL BE DISPOSED OF BY THE

CONTRACTOR, IN A LIKE MANNER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT

COMPACTION REQUIREMENTS PER THE ENGINEER'S PLAN AND ALL APPLICABLE GOVERNMENTAL

STANDARDS. THE ENGINEER AND OWNER MAKE NO REPRESENTATION AS TO THE QUANTITIES THAT MAY BE NEEDED TO CREATE A BALANCED EARTHWORK CONDITION OR THAT THE SITE

APPROVED FILL MATERIAL AND PLACE IT AS REQUIRED TO ATTAIN THE SITE GRADE AND

THE CONTRACTOR SHALL OBTAIN THE REQUIRED SOIL EROSION PERMIT AND SATISFY ALL REGULATORY REQUIREMENTS FOR CONTROLLING SOIL EROSION AND SEDIMENT TRANSPORT. THI CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR INSPECTION OR APPROVAL OF THE CONTRACTOR'S WORK IN CONNECTION

WITH SATISFYING THE SOIL EROSION PERMIT REQUIREMENTS UNLESS SPECIFICALLY STATED IN

CONSIDERS NECESSARY TO DO THE WORK PROPOSED AND IN PREPARATION OF THEIR BID

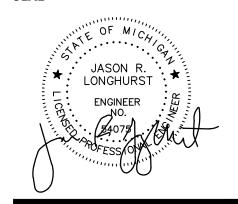
SUBGRADE UNDERCUTTING AND PREPARTION

TO PROVIDE A SUBGRADE IN CONFORMANCE WITH THE PROJECT PLANS AND/OR

PRICE(S) UNLESS SPECIFIC TRAFFIC CONTROL ITEMS ARE INCLUDED IN THE ACCEPTED BID

COMPLETE THE WORK INDICATED ON THE PLANS. THE COST OF BY-PASS PUMPING, THE METHODS, EQUIPMENT AND MEANS OF PROVIDING THAT WORK ARE THE RESPONSIBILITY OF THE

MEANS AND METHODS FOR PIPE CONSTRUCTION



PROJECT Lithia Motors, Inc. - Audi of Novi

CLIENT

Lithia Motors, Inc. 150 N. Bartlett Street Medford, Oregon 97501

Contact: Anne Breck Tel: 541-734-3043 email: abreck@lithia.com

PROJECT LOCATION

Part of the Southeast $\frac{1}{4}$ of Section 24, Town 1 North Range 8 East, City of Novi, Oakland County, Michigan

SHEET Notes and Details



ISSUED/REVISED 2022-03-09 ISSUED FOR SITE PLAN REVIEW

SET FORTH IN THE PLANS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE ANY EXTRA WORK IS PERFORMED. THE CONTRACTOR SHALL MAKE A REQUEST FOR ANY ADDITIONAL COMPENSATION FOR THE UNDERCUTTING IN WRITING

> DRAWN BY: T. Wood **DESIGNED BY:**

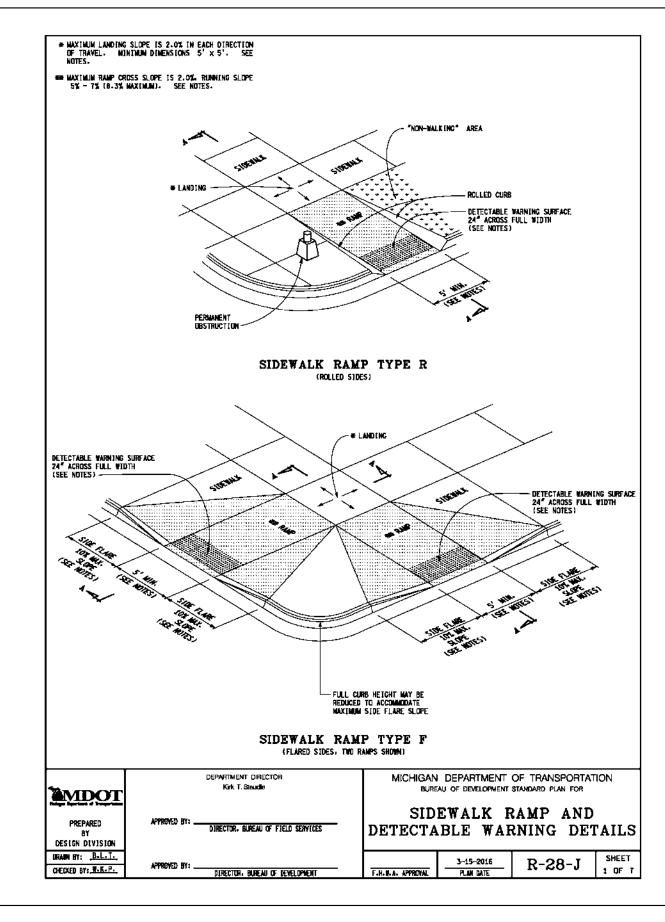
T. Wood APPROVED BY:

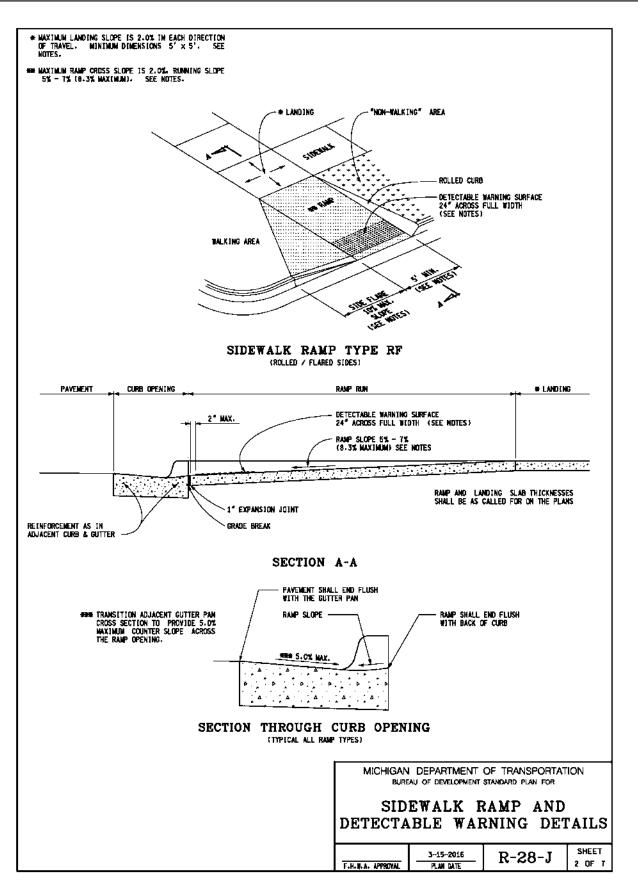
J. Longhurst

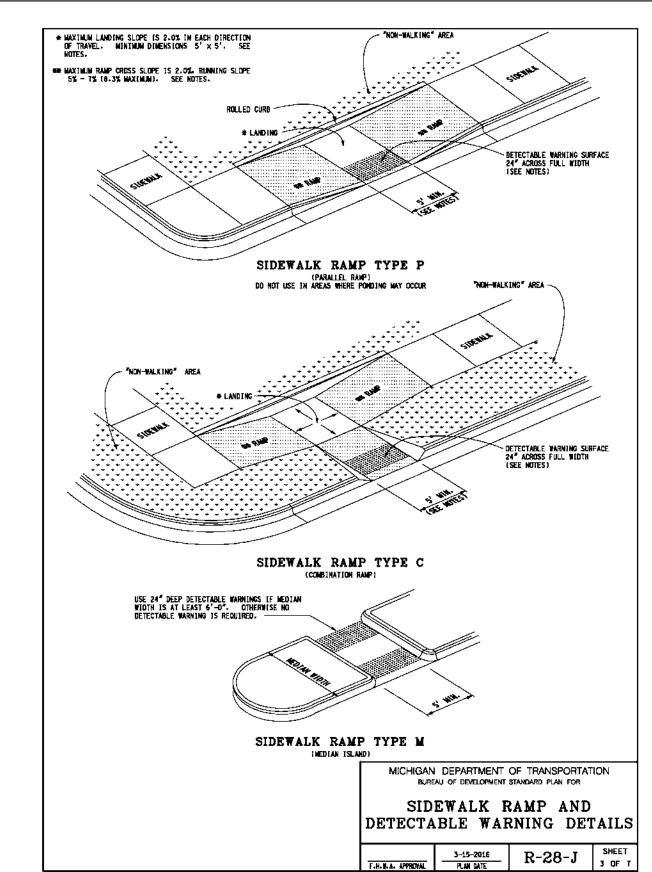
March 9, 2022 SCALE: N.T.S.

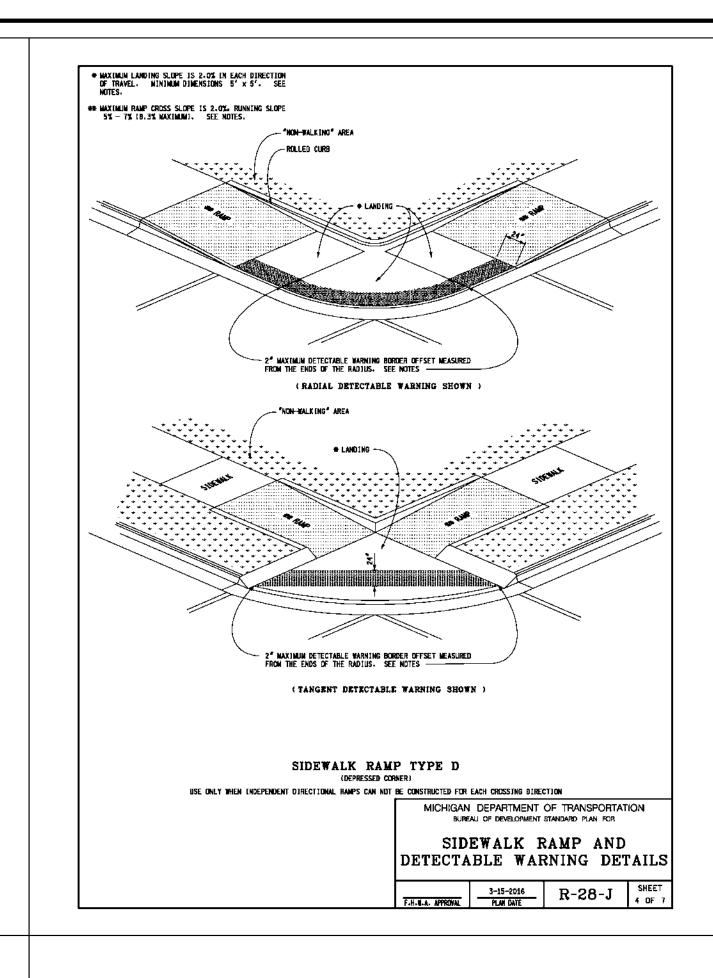
SHEET NO.

NFE JOB NO.



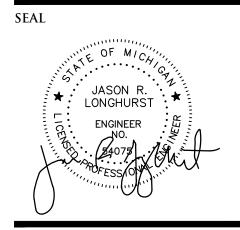








NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



Lithia Motors, Inc. 150 N. Bartlett Street Medford, Oregon 97501

Anne Breck Tel: 541-734-3043 email: abreck@lithia.com

Part of the Southeast $\frac{1}{4}$ of Section 24, Town 1 North, Range 8 East, City of Novi,

SHEET

No: DATE REVISION APPR

DETECTION NOTION SURFACE ADA-C-2448-**

VITRIFIED POLYMER COMPOSITE

Armor - Tile ADA IND AMPLIFYING DETECTABLE/TACTILE WARNING SURFACE TILE

DETECTABLE/TACTILE
WARNING SURFACE TILE
24" x 48" CAST IN PLACE
INLINE DOME TACTILE TILE
PLANS AND DETAILS

ADA-C-2448 0



ISSUED/REVISED

PROJECT Lithia Motors, Inc. - Audi of Novi CLIENT

www.**Arthor - Tile**.com Contact:

PROJECT LOCATION

Oakland County, Michigan

Notes and Details



2022-03-09 ISSUED FOR SITE PLAN REVIEW

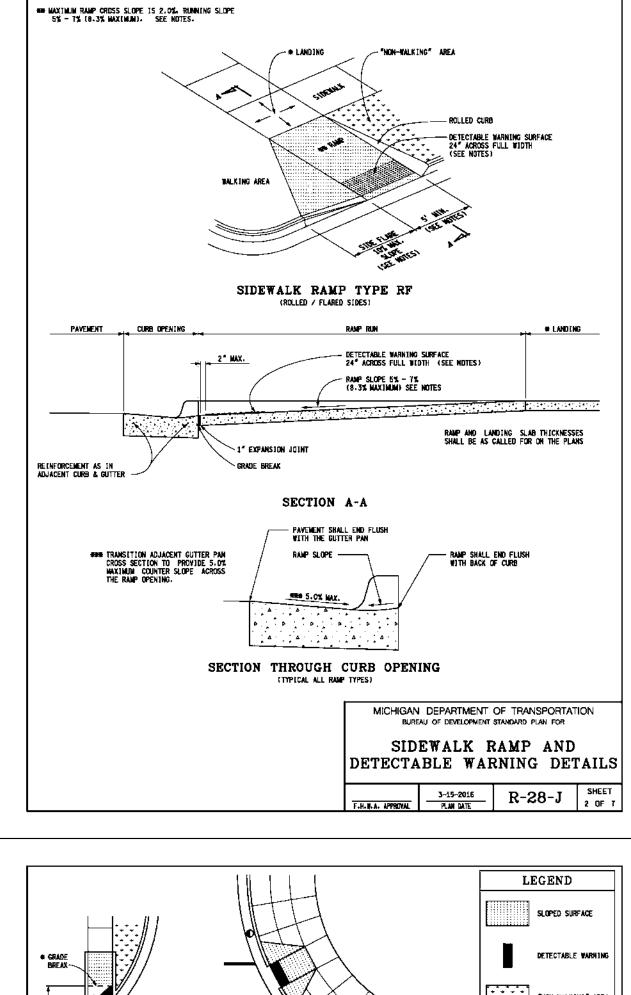
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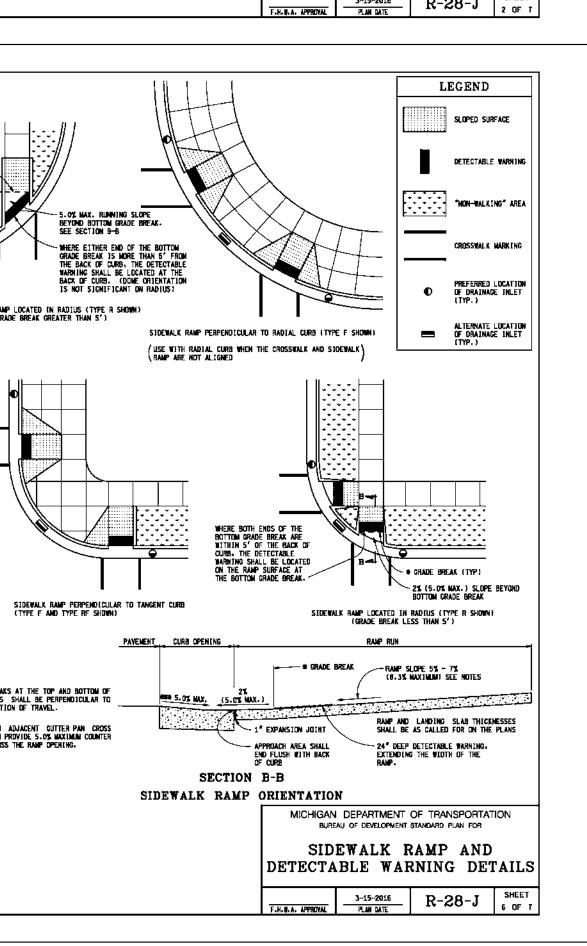
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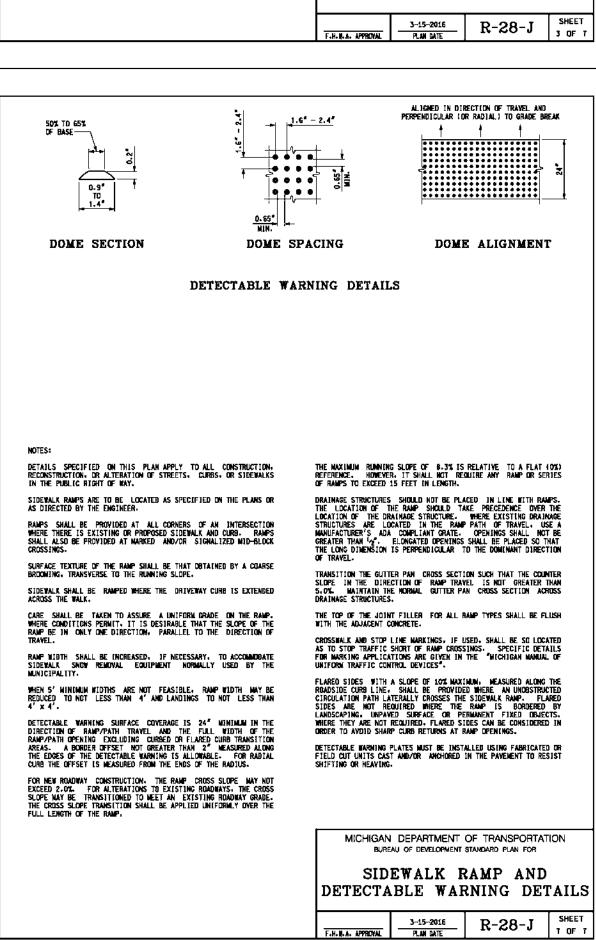
J. Longhurst DATE:

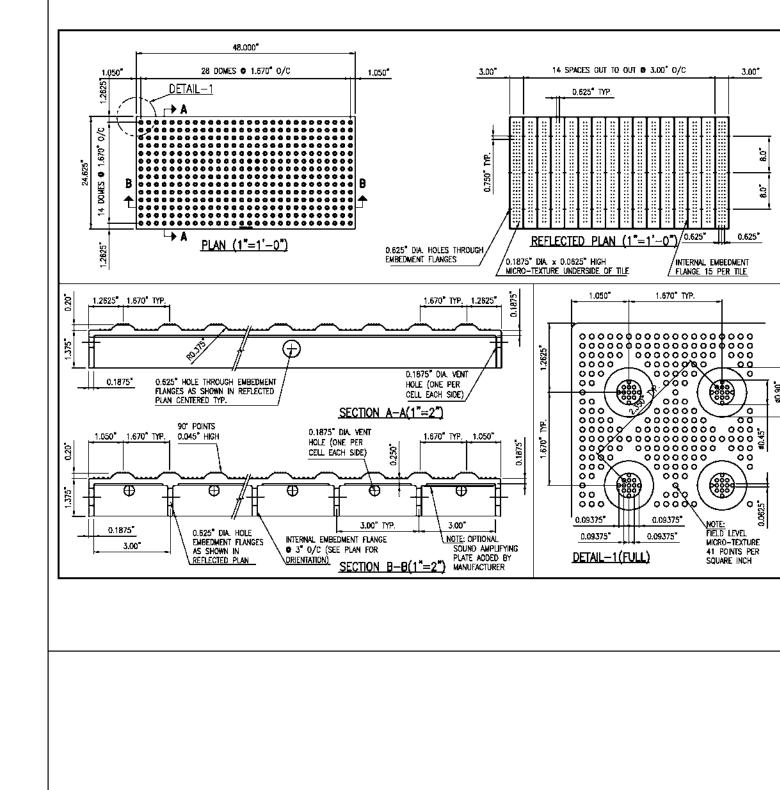
March 9, 2022 SCALE: N.T.S.

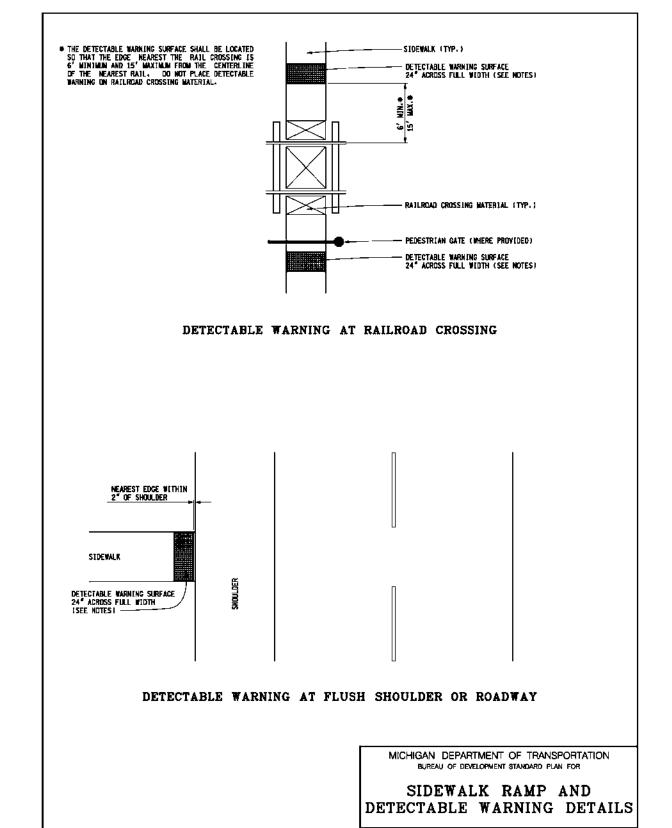
NFE JOB NO. SHEET NO. **C8**



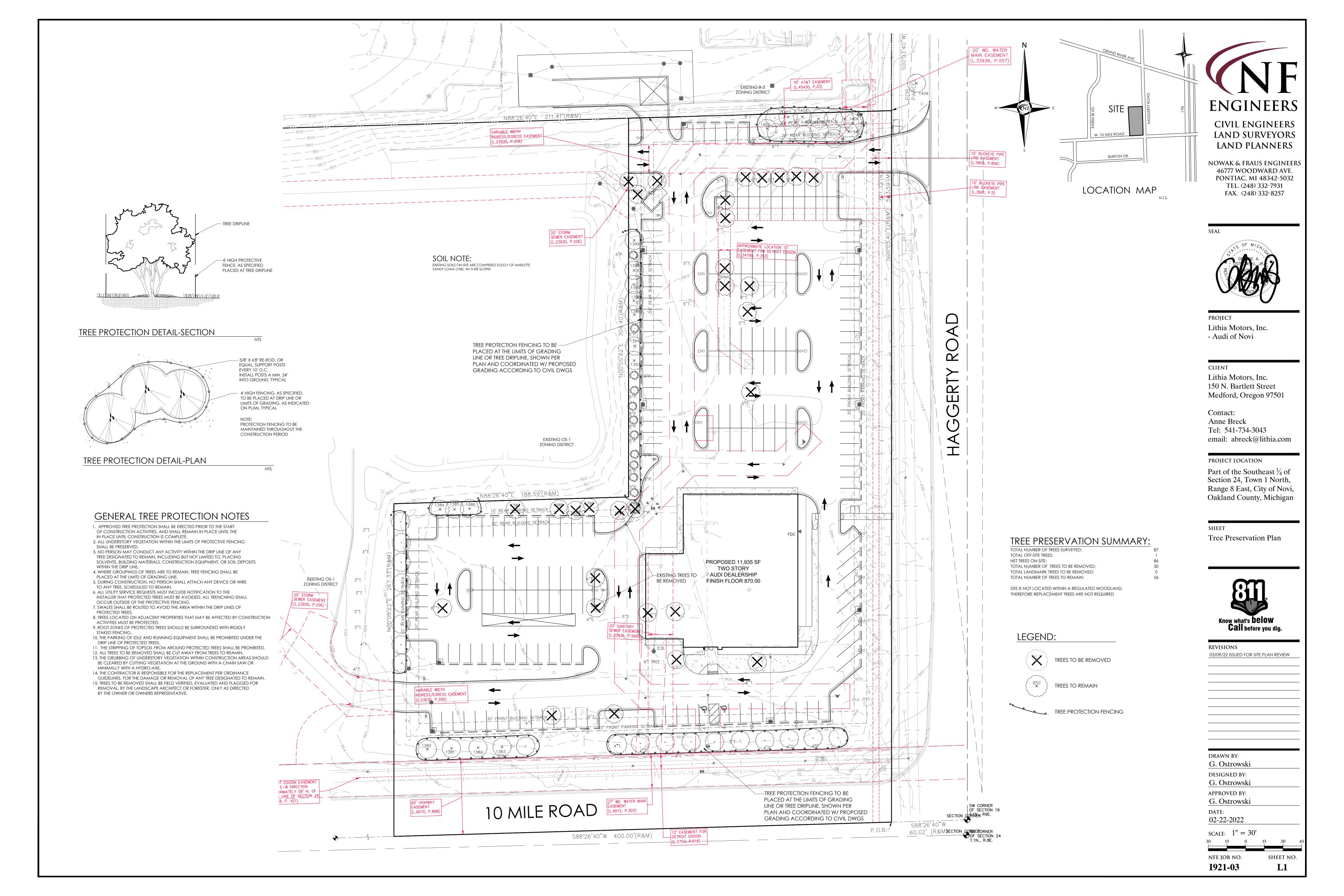


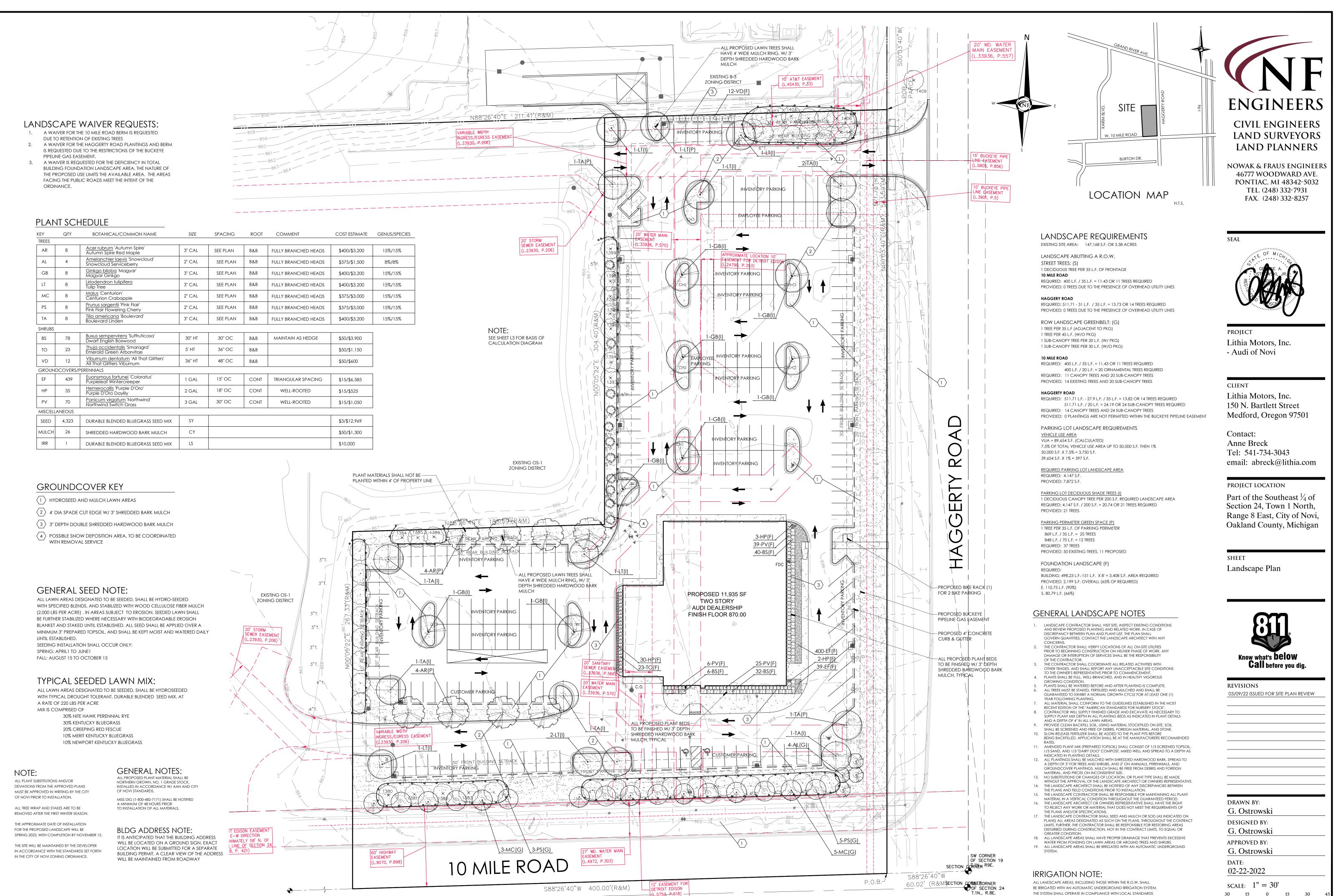






3-15-2016 R-28-J SHEET 5 OF 7





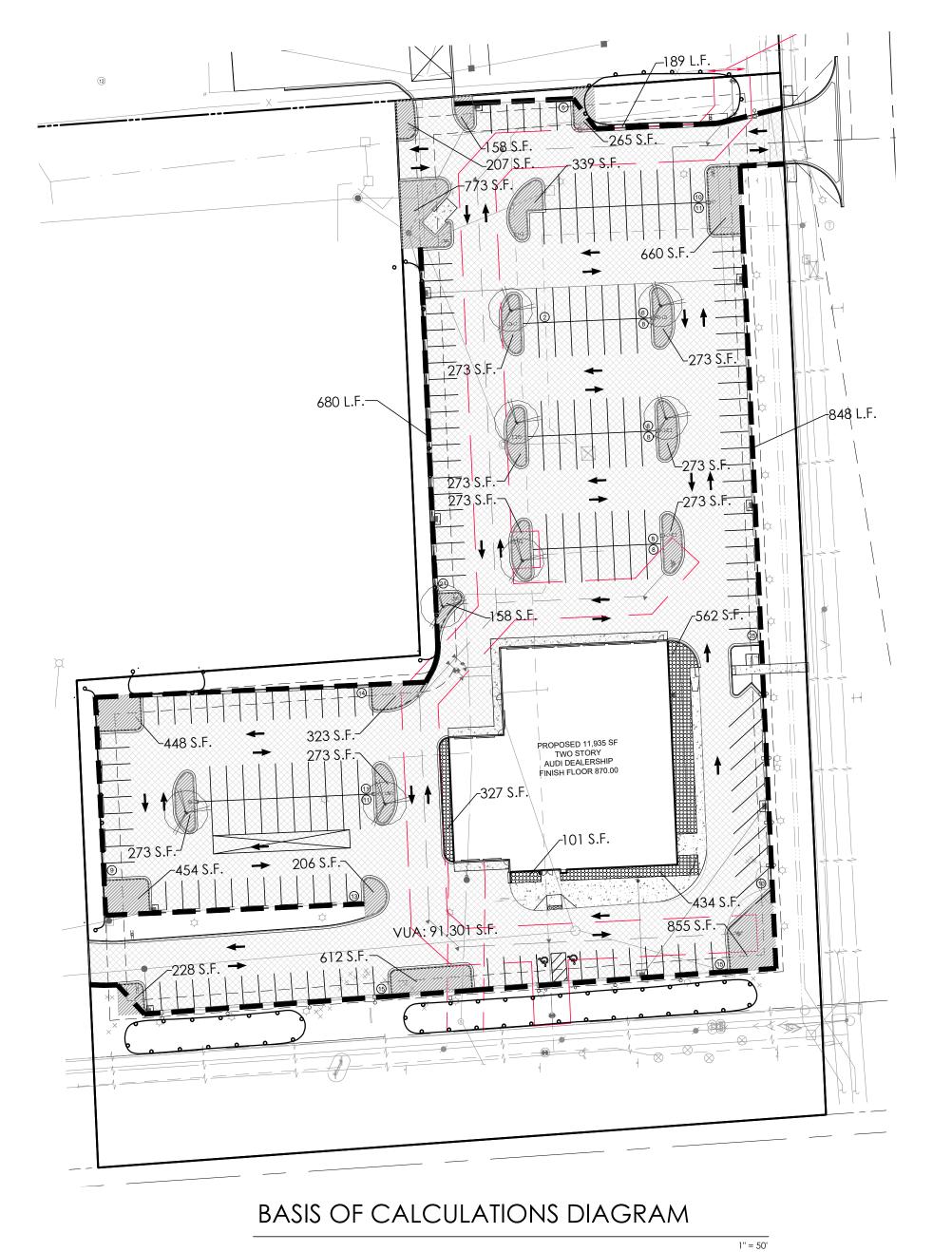
\$88°26'40"W 400.00'(R&M)

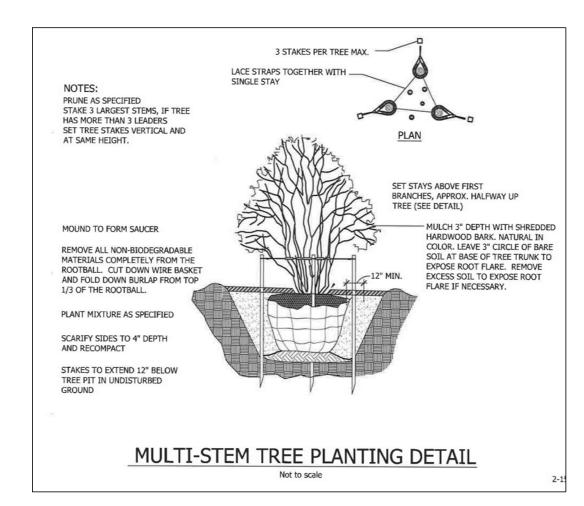
(L.5753, P.618) —

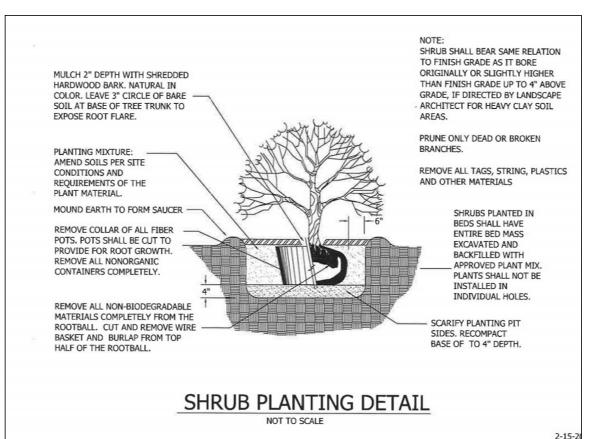
NFE JOB NO. SHEET NO. **I921-03**

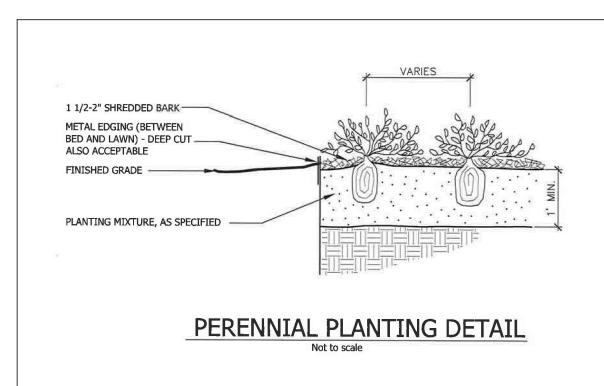
BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM. THE SYSTEM SHALL OPERATE IN COMPLIANCE WITH LOCAL STANDARDS

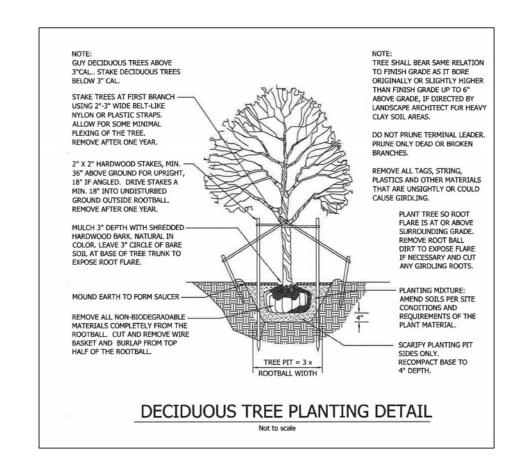
AND SEASONAL RESTRICTIONS. SEPARATE ZONES SHALL BE PROVIDED FOR LAWN AREAS AND PLANTING BEDS. IRRIGATION SHALL BE DESIGNED IN THE THE MOST EFFICIENT MANNER NECESSARY TO FULLY IRRIGATE ALL PLANTING AREAS.

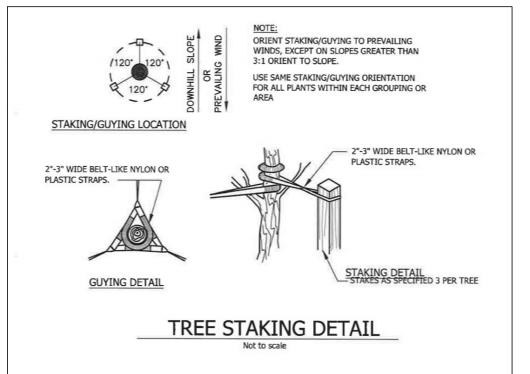


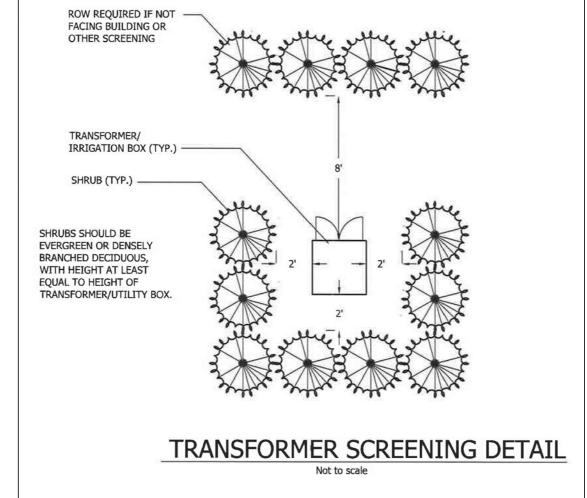
















NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257



PROJECT Lithia Motors, Inc. - Audi of Novi

CLIENT Lithia Motors, Inc. 150 N. Bartlett Street

Contact: Anne Breck Tel: 541-734-3043 email: abreck@lithia.com

Medford, Oregon 97501

PROJECT LOCATION

Part of the Southeast \(^{1}\)4 of Section 24, Town 1 North, Range 8 East, City of Novi, Oakland County, Michigan

Landscape Notes

and Details



REVISIONS 03/09/22 ISSUED FOR SITE PLAN REVIEW

DRAWN BY:

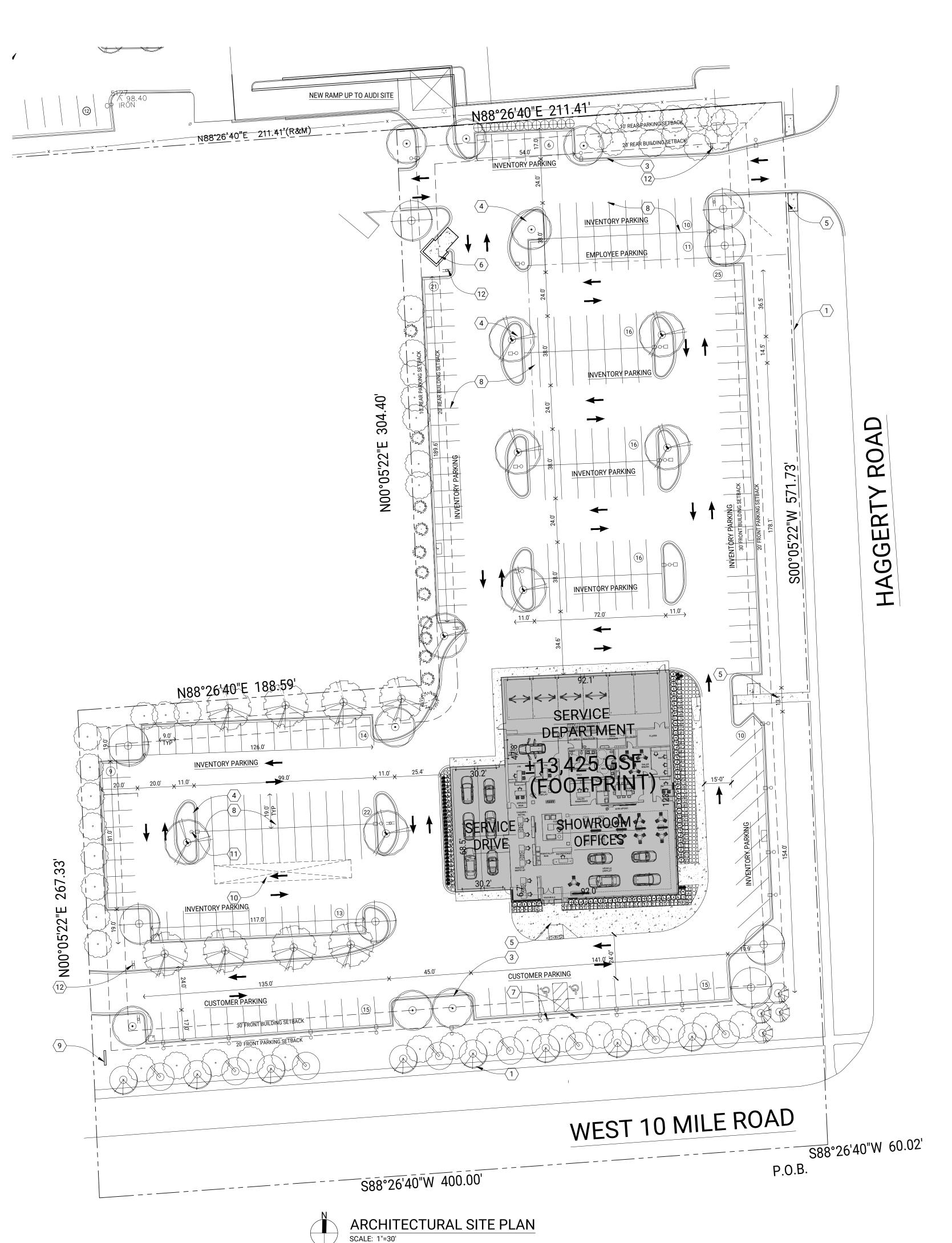
G. Ostrowski **DESIGNED BY:** G. Ostrowski

APPROVED BY: G. Ostrowski

02-22-2022

NFE JOB NO.

SHEET NO. **I921-03 L3**



SITE PLAN KEY NOTES: (TYPICAL THIS SHEET ONLY)

- 1 EXISTING CONCRETE WALK TO REMAIN
- $\langle 2 \rangle$ EXISTING POLE WITH NEW LIGHT FIXTURE [LP(E)]; SEE PHOTOMETRIC SITE
- PROPOSED 6"h CONC. CURB & GUTTER SEE CIVIL
- 4 PROPOSED LANDSCAPE ISLAND w/ 6"h CONC. CURB & GUTTER SEE CIVIL
- 5 PROPOSED CONCRETE WALK
- 6 PROPOSED DUMPSTER ENCLOSURE SEE CIVIL DETAILS
- PROPOSED 'PHYSICALLY HANDICAPPED' SIGN & POLE AT BARRIER FREE PARKING SPACE SEE DETAIL
- 8 PROPOSED PAINTED OR THERMOPLASTIC STRIPING (WHITE)
- PROPOSED 'AUDI' GROUND SIGN AND BASE; SEE DETAIL AND COORDINATE FINAL PACKAGE WITH SIGNAGE VENDOR
- $\langle 10 \rangle$ PROPOSED LOADING SPOT; SEE CIVIL
- BUILDING (WA) / POLE MOUNTED (LP) LIGHT FIXTURE, SEE PHOTOMETRIC SITE PLAN
- 12 WAYFINDING SIGNAGE

STUDIO DETROIT

DETROIT
ARCHITECTS

2040 PARK AVE. STE 200
DETROIT, MICHIGAN 48226
313.919.5886 - 313.909.3607
STUDIO-DETROIT.COM

DO NOT SCALE DRAWINGS

 ISSUED

 03.09.2022
 SPA

 04.22.2022
 SPA - REVISED

 05.02.2022
 ZBA

DRAWN SHFCHECKED SMB

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LITHIA MOTORS

150 NORTH BARTLETT MEDFORD, OREGON

AUDI OF NOVI

PROPOSED NEW

24295 HAGGERTY ROAD

PROJECT 2038

FACILITY

NOVI, MI 48375

CLIENT

SEAL

LEGAL DESCRIPTION:

A PART OF THE SOUTHEAST $\frac{1}{4}$ OF SECTION 24, TOWN 1 NORTH, RANGE 8 EAST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 24: THENCE S. 88°40'57" W., (RECORDED AS S. 88°26'40" W.) 60.02 FEET TO A POINT ON THE WESTERLY LINE OF SAID HAGGERTY ROAD TO THE POINT OF BEGINNING: THENCE S. 88°26'40" W., 800.00 FEET; THENCE N. 00°03'40" E., 190.00 FEET; THENCE N. 49°33'57" E., 150.25 FEET; THENCE S. 89°56'20" E., 685.42 FEET TO THE WESTERLY LINE OF SAID HAGGERTY ROAD; THENCE S. 00°03'40" W., 265.00 FEET ALONG THE WESTERLY LINE OF SAID HAGGERTY ROAD TO THE POINT OF BEGINNING.

SITE DATA CITY OF NOVI, MI

SITE AREA SITE AREA TOTAL

ZONING
B-3 GENERAL BUSINESS DISTRICT
REQ'D FRONT SETBACK 30 FEET
REQ'D REAR SETBACK 20 FEET
REQ'D SIDE YARD SETBACK MIN 15 FEET

±3.93 ACRES

MAX BUILDING HEIGHT 30 FEET

BUILDING AREAS
AUDI (PROPOSED) ±13,423 SF

VEHICLE DEALERSHIP, SALES AND SERVICE

REQUIRED PARKING = 1 SPACE FOR 200 SF OF FLOOR SPACE OF SALES ROOM+1 SPACES FOR

EACH SERVICE BAY

TOTAL REQUIRED = 6,650 SF / 200 = 34 SPACES
6 AUTO SERVICE BAYS = 6 SPACES

PARKING PROVIDED
EMPLOYEE/ CUSTOMER PARKING= 41 SPACES

EMPLOYEE/ CUSTOMER PARKING= 41 SPACES
(INCLUDING TWO BARRIER
FREE SPACES)

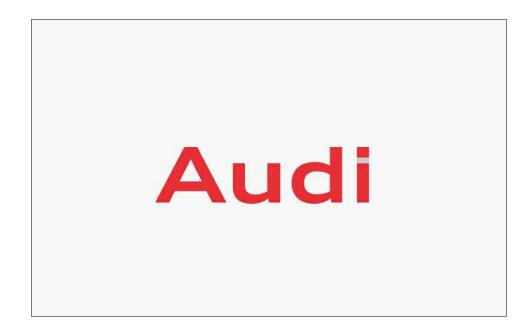
INVENTORY PARKING= 178 SPACES

SITE PLAN

SITE PLAN

SITE PLAN

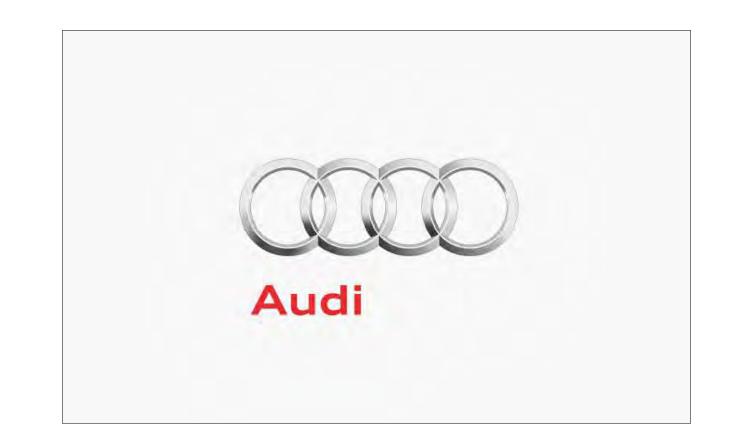
FREE SPACES



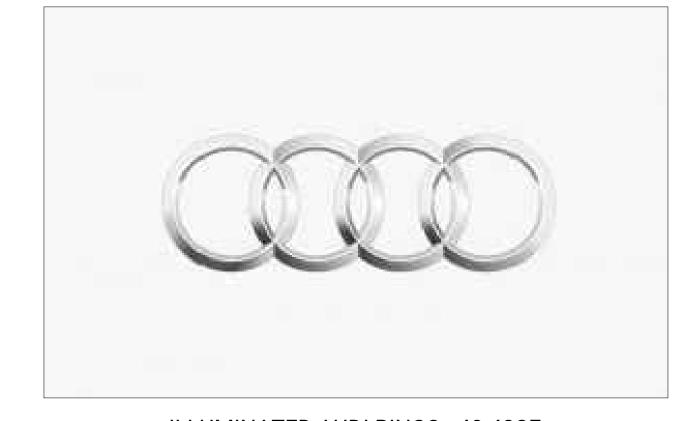
20" ILLUMINATED AUDI LETTERS - 10.68SF

Audi Service Drive 1 2 3

13" ILLUMINATED AUDI SERVICE DRIVE - 12.37SF



NON-ILLUMINATED ENTRANCE ELEMENT - 2.70SF

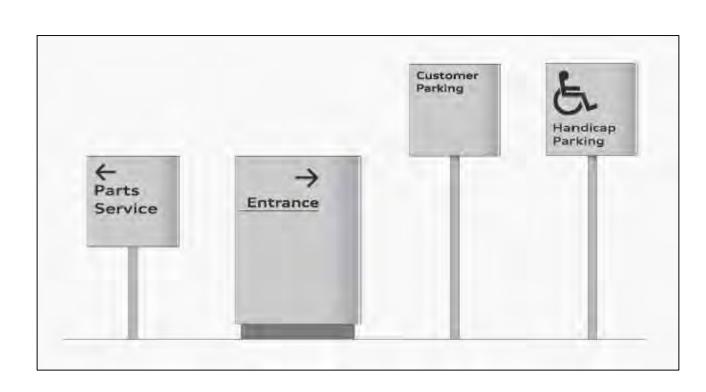


ILLUMINATED AUDI RINGS - 40.42SF

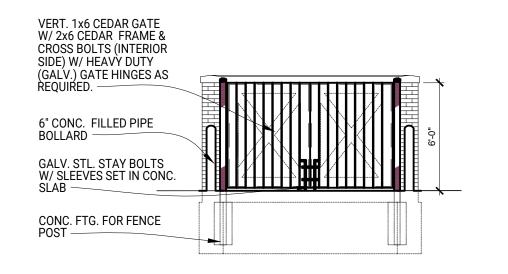


20" ILLUMINATED DEALER NAME LETTERS - 10.68SF

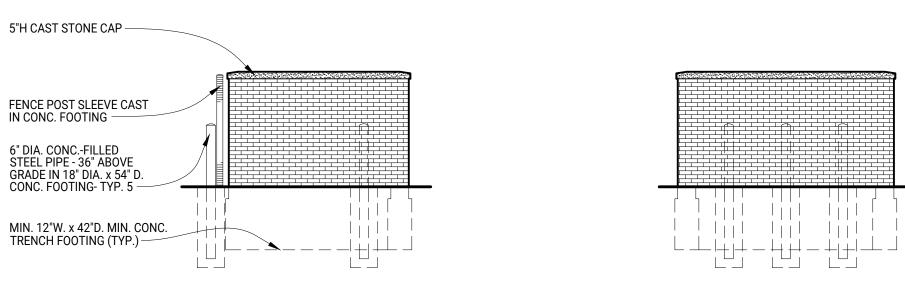




NON-ILLUMINATED DIRECTIONAL SIGNS

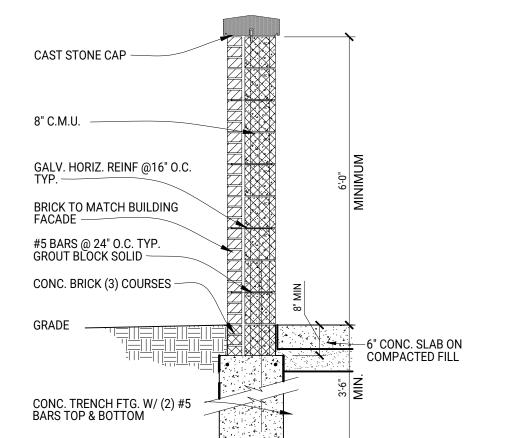


DUMPSTER ENCLOSURE ELEVATION DUMPSTER ENCLOSURE ELEVATION SP1.1 SCALE: 3/16" = 1'-0" @FRONT

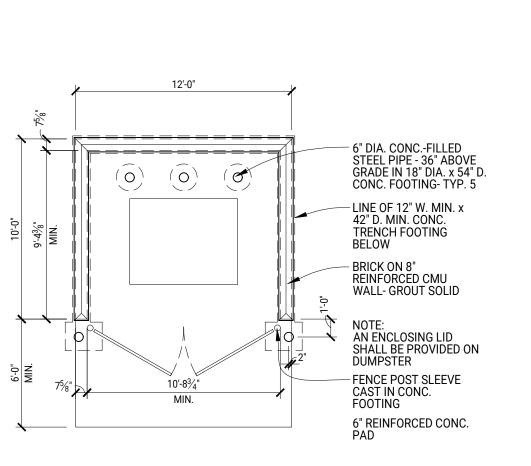


DUMPSTER ENCLOSURE ELEVATION SP1.1 SCALE: 3/16" = 1'-0"

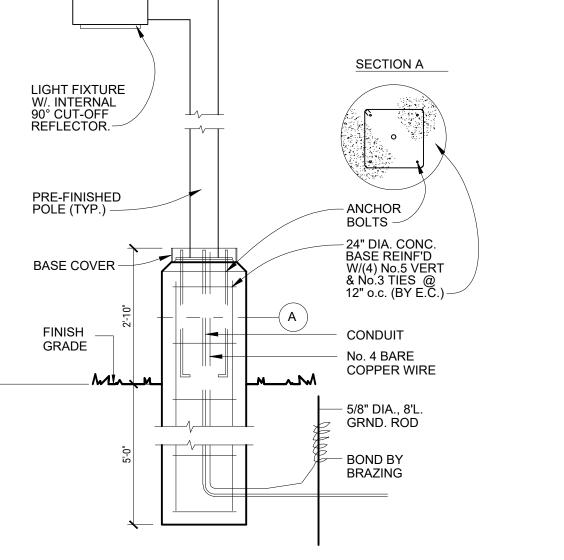




DUMPSTER ENCLOSURE SECTION SP1.2 SCALE: 1/2" = 1'-0"

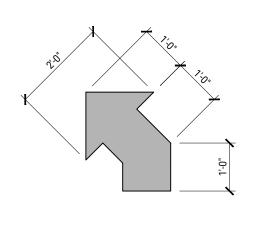


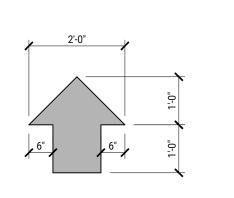
DUMPSTER ENCLOSURE PLAN SP1.1 SCALE: 3/16" = 1'-0"



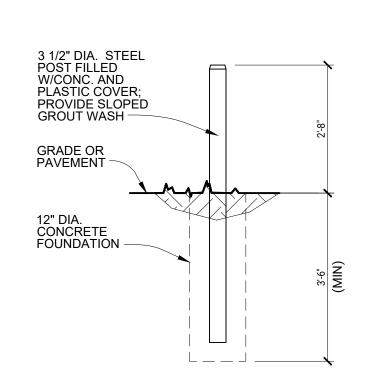
LIGHT POLE DETAIL SP1.1 SCALE: 1/2" = 1'-0"

SP1.1 SCALE: 3/16" = 1'-0"

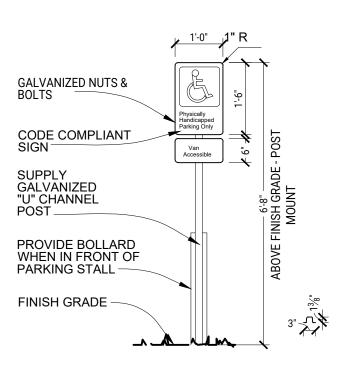








BOLLARD DETAIL TYP / SCALE: 1/2 = 1'-0"



BARRIER FREE SIGNAGE TYP SCALE: 1/2 = 1'-0"

STUDIO 2040 PARK AVE. STE 200 DETROIT, MICHIGAN 48226 313.919.5886 - 313.909.3607

03.09.22 SPA 04.22.22 SPA - REVISED

DO NOT SCALE DRAWINGS

05.02.22 ZBA

CHECKED SMB

SEAL

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LITHIA MOTORS 150 NORTH BARTLETT MEDFORD, OREGON

PROJECT 2038

AUDI OF NOVI PROPOSED NEW FACILITY 24295 HAGGERTY ROAD NOVI, MI 48375

SITE PLAN DETAILS

SP1.2



DO NOT SCALE DRAWINGS



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AREA (NSF)		MOTORC
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97 SF		
671 SF		
848 SF	DD0 1505 (2020
026 SF	PROJECT 2	2038
762 SF 1,769 SF	AUDI O	F NOVI
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FACILITY

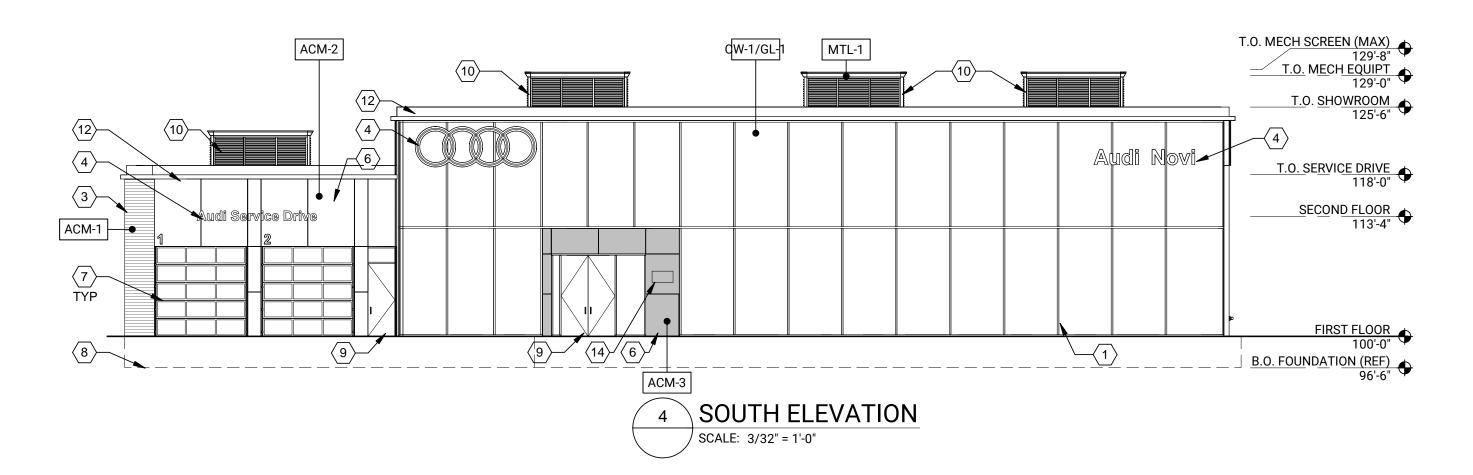
24295 HAGGERTY RD NOVI, MI 48375

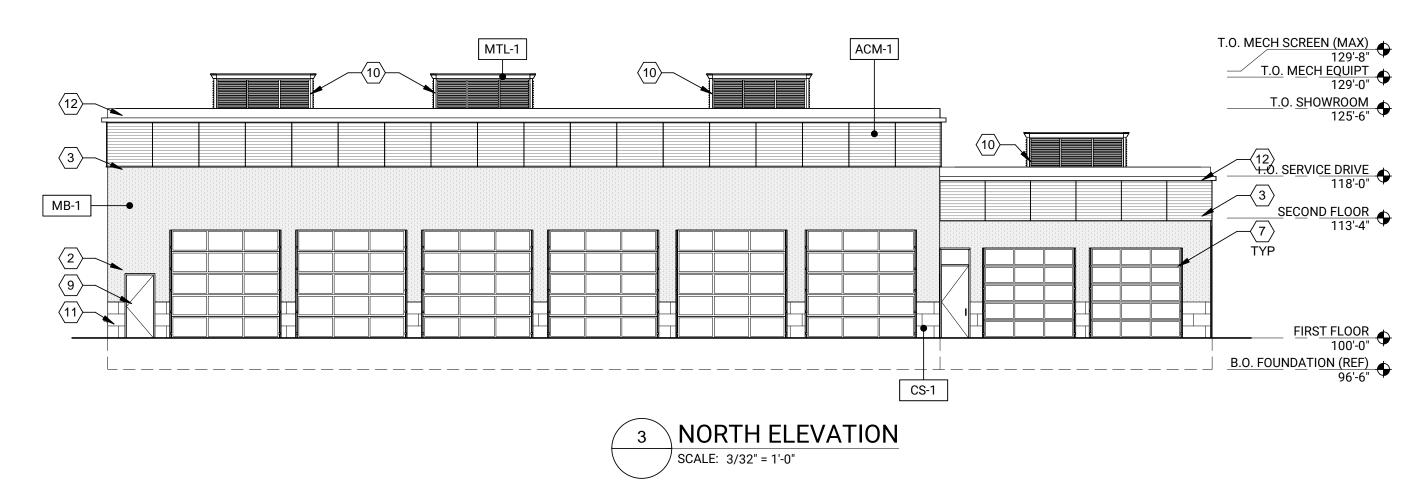
COMPOSITE PLAN

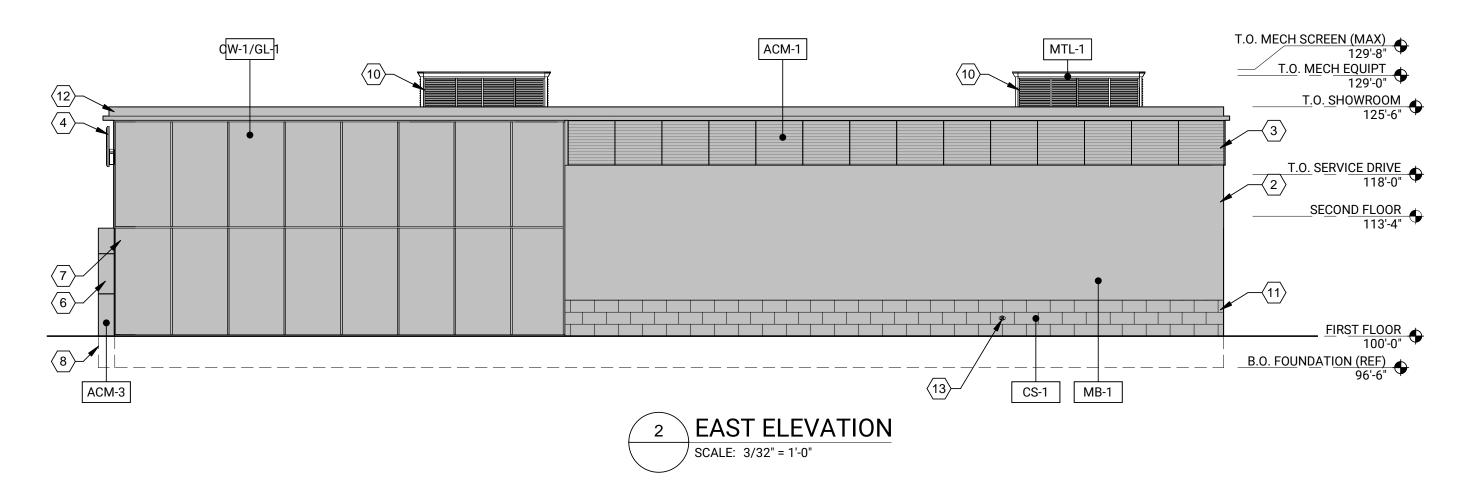
TS1.4

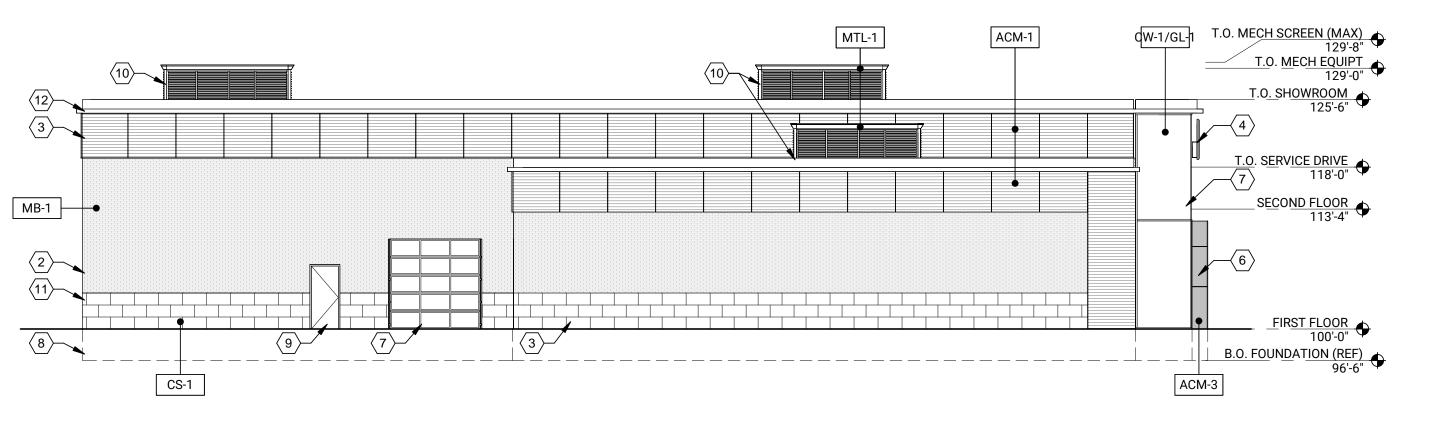
FIRST FLOOR PLAN - COMPOSITE

1/8" = 1'-0"











EXTERIOR ELEVATION KEY NOTES: (TYPICAL THIS SHEET ONLY)

 $\overline{fame 1}$ GLASS AND ALUMINUM STOREFRONT/ CURTAINWALL

 $\langle 2 \rangle$ BRICK VENEER

 \bigcirc PERFORATED METAL PANEL OVER ALUMINUM COMPOSITE PANEL SYSTEM (ACM

4 BUILDING MOUNTED SIGNAGE

(5) 6" CONC. FILLED STL PIPE BOLLARD w/ PLASTIC COVER

(6) ALUMINUM COMPOSITE PANEL SYSTEM (ACM)

 $\langle 7 \rangle$ GLASS & ALUMINUM OVERHEAD DOOR

(8) INDICATES NEW REINF. CONC. FOOTING/ FOUNDATION WALL

9 DOOR & FRAME

10 FLUSH METAL PANEL MECHANICAL SCREEN

(10) FLUSH METAL (11) CAST STONE

12 FORMED ACM COPING

\$\langle 13 \rangle FIRE DEPARTMENT CONNECTION

(14) ENTRY ELEMENT SIGNAGE, SEE SP1.2

EXTERIOR MATERIALS					
PATTERN	TAG	MATERIAL	FINISH		
	MB-1	BRICK VENEER	CLAY BRICK MASONRY, 4"x12" (JUMBO OR UTILITY SIZED) ON WALL SYSTEM AS SPECIFIED; COLOR MERIDIAN, "SLATE"		
	CS-1	CAST STONE	16"x24" CAST STONE PANEL		
	ACM-1	ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	PERFORATED METAL PANEL OVER ACM RAINSCREEN w/ FINISHED REVEALS		
	ACM-2	ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	ACM RAINSCREEN w/ FINISHED REVEALS		
	ACM-3	ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	ACM RAINSCREEN w/ FINISHED REVEALS		
	CW-1/ GL-1	CURTAINWALL / EXTERIOR GLAZING	STOREFRONT/ CURTAINWALL FRAMING AS SPECIFIED; SOLARBAN 70XL CLEAR GLASS		
	MTL-1	MECHANICAL SCREEN	LOUVERED MECHANICAL SCREEN		

SOUTH FACADE EXT. MAT. CALCS - TOTAL AREA 690 S.F.				
MATERIAL	% MAX	MATERIAL AREA	% PROPOSED	
BRICK VENEER	100% MAX / 30% MIN	0 S.F.	0%	
CAST STONE	25% MAX	0 S.F.	0%	
PERFORATED METAL PANEL ON ACM		58 S.F.	8.4%	
ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	50% MAX	506 S.F.	73.3 %	
MECHANICAL SCREEN		126 S.F.	18.3 %	

NORTH FACADE EXT. MAT. CALCS - TOTAL AREA 1,902 S.F.				
MATERIAL	% MAX	MATERIAL AREA	% PROPOSED	
BRICK VENEER	100% MAX / 30% MIN	909 S.F.	47.8%	
CAST STONE	25% MAX	83 S.F.	4.4 %	
PERFORATED METAL PANEL ON ACM		600 S.F.	31.5%	
ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	50% MAX	184 S.F.	9.7 %	

126 S.F.

6.6 %

MECHANICAL SCREEN

EAST FACADE EXT. MAT. CALCS - TOTAL AREA 2,021 S.F.					
MATERIAL	% MAX	MATERIAL AREA	% PROPOSED		
BRICK VENEER	100% MAX / 30% MIN	1,094 S.F.	54.2%		
CAST STONE	25% MAX	292 S.F.	14.4%		
PERFORATED METAL PANEL ON ACM		365 S.F.	18.1%		
ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	50% MAX	207 S.F.	10.2 %		
MECHANICAL SCREEN		63 S.F.	3.1 %		

WEST FACADE EXT. MAT. CALCS - TOTAL AREA 2,924 S.F.				
MATERIAL	% MAX	MATERIAL AREA	% PROPOSED	
BRICK VENEER	100% MAX / 30% MIN	1,198 S.F.	41.0%	
CAST STONE	25% MAX	392 S.F.	13.4 %	
PERFORATED METAL PANEL ON ACM		928 S.F.	31.7%	
ALUMINUM COMPOSITE PANEL SYSTEM (ACM)	50% MAX	311 S.F.	10.6 %	
MECHANICAL SCREEN	-	95 S.F.	3.3 %	

STUDIO DETROIT ARCHITECTS

2040 PARK AVENUE, SUITE 200 DETROIT, MICHIGAN 48226 313.919.5886 - 313.909.3607 STUDIO-DETROIT.COM

DO NOT SCALE DRAWINGS						
ISSUED						
03.09.21	SPA					

03.09.21 SPA
04.15.22 30% BRAND REVIEW
05.02.22 ZBA

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CLIENT

LITHIA MOTORS

PROJECT 2038

AUDI OF NOVI PROPOSED NEW FACILITY

NOVI, MI 48375

24295 HAGGERTY RD

BUILDING ELEVATIONS

A2.1

Back Box (BBW, ELCW)

13-3/4" BBW

ELCW

40K 4000 R T2M Type II Medium 120 8

50K 5000 x T3S Type III \text 2081

phosphur T4M Type IV Medium 277 f

Medium ASYDE Asymmetric

Single fluse (SF) requires 120, 277 or 347 voltage option. Double fluse (DF) requires 209, 240 or 480 voltage option. Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.

control (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH)

Back back ships installed on foture. Cannot be field installed. Cannot be ordered as an accessor

One Lithonia Way . Convers, Georgia 30012 . Phone: 800.279.8041 .

D-Series Size 2

ED Area Luminaire

ighting facts

TFTM Forward Throw 347 M

DSSXD Sandstone

DBLBXD lextured black

8 Cold weather (20C) rated. Not compatible with conduct entry applications. Not available with 38W mounting aption. Not available with facing. Not available with 347 or 480.

Introduction

environment.

EXAMPLE: DSX2 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

T35 Type III Short: BEC Backing's connect 277 SPUMBA Square pole uninersal mounting adaptor

T3M Type III Medium LCCO Lett comex cutoff 342 RPUMBA Round pole universal mounting induptor

Shipped installed

HS House-side shield

190 Left content optics

Shipped separately BS Blid talks

R90 Right rotated optics

EGS Extremel glare shield

SF Single fuse (120, 777, 347V)

DF Double firse (208, 240, 4809)

The modern styling of the D-Series is striking yet unobtrusive = making a bold, progressive

statement even as it blends seamlessly with its

The D-Series distills the benefits of the latest in

LED technology into a high performance, high

efficacy, long-life luminaire. The outstanding photometric performance results in sites with

excellent uniformity, greater pole spacing and

applications with energy savings of up to 80%

Will bricker*

KMAS DDBXD U Mast arm mounting bracket adaptin (vaerify finion)

DOBXO Back broduce

DNAXD (latura) aluminum

DOBTXO Textured dark bronzy

DNATXD - Textured natural aluminum

BBLBXD Textured black

DWHGXD Textured white

DBLXD: Black

DWHXD White

and expected service life of over 100,000 hours.

lower power density. The Size 2 is ideal for replacing 400-1000W metal halide in area lighting

DDBTXD Textured dark hinney

DNATXD Textured natural aluminum

1000 1000 mA (110) AMBPC Amber T3M Type III Medium 240

20C 1000 is not available with PIR. PIRM. PIRTECSV or MRHTFCSV

Also available as a separate accessory; see Accessories information

Reference Motion Sensor table on page 3.

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MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

Weight:

530 539 mA

700 700 mA

VG Viredal guard

ODL Diffused drop lens

9 Not available with ELCW

DSX2 LED Forward optics

40K 4000 K

50K 5000K

Shipped installed NITAIR2 PLight Alligeneration Zenatried* PIRHM Herwith, Bi-Level motion/ambient sensor PER (IEMA lwm-low receptors only (no countels) FAO Field Adjustable Dutput * PERS Five-wire receptacle only (no controls) PER7 Survin-vinti receptable only (no corveres)

DMG 0-10V dimming extend out back of liousing for external control (no controls) 1 DS Thul switching

LITHONIA LIGHTING COMMERCIAL OUTDOOR

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(Automotive)

T2M Type il Medium

TETM Forward Throw

hekme, ambient sensor enable at 5fr.

TSM Type V Modum

T4M Type IV Medium RCCO Hight corner cutoff 4801 Shipped separately

T5W Type V Wide

T2S - type It Short

One Lithonia Way . Convers, Georgia 30012 . Phone: 1-800-705-SERV (7378) . Rev 02/05/20

Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance. With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

(blank) Surface PE Pholoelectric cell, teatron type 1

0-109 dimming driver (no controls; wires pulled

Bill Frogran/ambient baby season < 15' mm; ht 1

Emergency battery backup (includes externa

impament enclosure), min CEC complian

DSXW1-LED

Rev. 3/13/18

PIRENTEGY Micron/ambient sensor 15-30 miniming height ambient sensor enabled at 16.5

muuntei back bai ifer condum PIRTEGY Mocion/ambient sensor, 8-15 muuntiing bekyv.

DWHGXD Textured white:

DSSTXD Textured sandstone

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING

QUALITY COMPLIANCE.

General Note

UNDERGROUND.

OPERATION.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIRMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705.

1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT

6. FLASHING LIGHT SHALL NOT BE PERMITTED.

INDICATED ARE FROM GRADE AND/OR FLOOR UP.

2. SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR

3. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0"

OPERTIONS SHALL BE PERMITTED AFTER A SITE'S HOURS OF

LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM

LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN

4. HOURS OF OPERATION: 24 HOURS PER DAY & 7 DAYS A WEEK.

7. ONLY NECESSARY LIGHTING FOR SECURITY PURPOSES & LIMITED

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF

THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING

ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED

METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE

MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN

LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS

5. ELECTRICAL SERVICE TO LIGHT FIXTURES SHALL BE PLACED

Ordering Note

FOR INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-

THIS DRAWING WAS GENERATED FROM AN ELECTRONIC IMAGE FOR ESTIMATION PURPOSE ONLY. LAYOUT TO BE VERIFIED IN FIELD BY OTHERS.

Drawing Note

Alternates Note

THE USE OF FIXTURE ALTERNATES MUST BE RESUBMITTED TO THE CITY FOR APPROVAL.

Mounting Height Note

MOUNTING HEIGHT IS MEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE CATCH BASIN RIM 853.57

18" E INV 848.97

18" W INV 848.47

U.G. ELEC. (PER RECORD)

N88°26'40"E 211.41'(R&M)

RIM 865.74

10" N INV 860,74

12" S INV 858.79

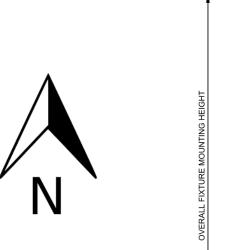
STORM MH

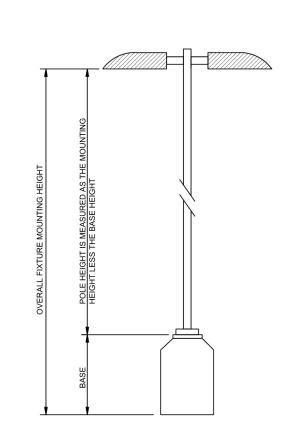
RIM 863,96

12" NE INV 858.81 12" E INV 858.81

Schedule											
Symbol	Label	Quantity	Manufacturer	Description	Lamp	Mounting Height					
	A1	3	Lithonia Lighting	DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
	A2	5	Lithonia Lighting	DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
	А3	5	Lithonia Lighting	DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
	A4	2	Lithonia Lighting	DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
	A5	7	Lithonia Lighting	DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
0	B1	3	Lithonia Lighting	TWIN DSX2 LED AREA LIGHT, 4000K	LED	25'-0"					
	С	7	Lithonia Lighting	DSXW1 LED BUILDING MOUNTED LIGHT, 4000K	LED	16'-0"					

Statistics												
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max					
CUSTOMER PARKING AREA	ж	6.6 fc	10.7 fc	2.3 fc	4.7:1	2.9:1	0.6:1					
DISPLAY AREA #1	Ж	9.5 fc	10.9 fc	6.9 fc	1.6:1	1.4:1	0.9:1					
DISPLAY AREA #2	Ж	9.1 fc	11.9 fc	4.7 fc	2.5:1	1.9:1	0.8:1					
EMPLOYEE PARKING	Ж	3.4 fc	6.1 fc	1.7 fc	3.6:1	2.0:1	0.6:1					
PROPERTY LINE - HAGGERTY ROAD	+	0.3 fc	0.7 fc	0.1 fc	7.0:1	3.0:1	0.4:1					
PROPERTY LINE - NON R.O.W. AREA	+	0.6 fc	1.0 fc	0.0 fc	N/A	N/A	0.6:1					
NORTH INVENTORY LOTS	Ж	3.2 fc	5.8 fc	0.7 fc	8.3:1	4.6:1	0.6:1					
OVERALL	+	2.3 fc	11.9 fc	0.0 fc	N/A	N/A	0.2:1					
REAR STORAGE LOT	ж	4.4 fc	8.1 fc	1.5 fc	5.4:1	2.9:1	0.5:1					
SITE CIRCULATION	Ж	4.7 fc	11.1 fc	0.8 fc	13.9:1	5.9:1	0.4:1					
PROPERTY LINE - WEST 10 MILE ROAD	+	0.2 fc	0.2 fc	0.1 fc	2.0:1	2.0:1	1.0:1					
WEST INVENTORY LOT	Ж	2.4 fc	4.0 fc	0.9 fc	4.4:1	2.7:1	0.6:1					







*6.2 *4.9 *3.4 2.0 *1.2 *0.6 0.4 *0.3 *0.2 *0.1 *0.1 *0.1+0.0 +0.1 +0.1 +0.3 +0.7 +0.1 +0.3 +0.7 +1.5 +0.6 +0.4 +0.3 +0.2 +0.1 +0.0 +0.1 +0.1 +0.3 \(\frac{1}{2}\) +0.0 \(\frac{1}{2}\) +0.1 \(\frac{1}{2}\) \(\frac{1}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\ RIM 868.35 6" E INV 863.95 *7.0 *5.7 *4.5 | 2.8 +1.5 | +0.7 | 0.5 +0.3 +0.2 +0.1 +0.1 +0.1 $+0.1 \quad +0.1 \quad +0.1 \quad +0.3 \quad +0.2 \quad +0.3 \quad$ +0.1 +0.1 +0.1 +0.3 +0.6 +1.3 +2.3 +3.1 +4.1 +4.6 +2.1 +1.6 +2.5 +3.7 +4.9 +6.0 +6.7 *6.5 *5.5 *4.3 2.7 *1.4 *0.6 0.4 *0.3 *0.1 *0.1 *0.1 *0.1No. 39500 W. 10 MILE RD Owner: NOVI MEDICAL PROPERTIES APN: 22-24-476-033 +0.1 +0.1 +0.1 +0.3 +0.5 +0.1 *2.0 *2.7 *3.6 *3.9 *2.1 *2.1 *2.7 *** *2.1 *2.7 *** *2.1 *2.7 *** *2.1 *2.7 *** *2.1 *2.1 *** *2.2 *5.8 *** *5.6 *4.8 *5.8 | 2.4 +1.2 | +0.6 | 0.4 +0.3 | +0.1 +0.1 +0.1 +0.0 RIM 868.08 .5 *4 +5.2 +3.7 +1.9 +0.3 0.2 +0.1 +0.1 +0.0 0.06" E INV 863,53 12" S INV 863,23 +0.0 +0.1 +0.1 +0.2 +0.4 +0.5 +0.5 +0.5 +0.7 +0.8 +0.9 $^{+}6.3$ $^{+}4.2$ $^{+}2.8$ $| ^{+}0.3$ $| ^{0.2}+0.1$ $| ^{+}0.1$ $| ^{+}0.1$ $| ^{+}0.1$ $| ^{+}0.0$ $| ^{+}0.0$ 6" INV 870.82 *2.3 *2.8 **C**3**@ 16**8 2 +2.2 +0.3 0.1+0.1 +0.1 $\downarrow 0.1$ +0.0 +0.0G.V. & WELL +1.3 +2.5 *4.6 *7.0 *8.8 5.7 *4.6 *7.0 *0.0 +0.1 +0.1 +0.1 +0.0 +0.0 +0.1 +0.1 +0.2 +0.4 +0.7 0.8 +1.0 +3 +1.2 +1.6 +2.1 +2.6 +2.7 +2.7 +2.5 +2.1 +1.9 +2.0 +2.0 +2.0 +2.0 +2.2 +2.6 +2.9 PROPÓSED 11,935 SF TWO STORY +0.1 +0.1 +0.2 | +0.4 +0.7 | 0.8 +1.0 | +1.4 +1.9 +2.6 +3.2 | | +3.3 | +3.2 +2.6 +2 | 2 +2.1 +2.1 +2.2 +2.7 | +3.3 | +3.4 | | +3.4 | +3.5 | +3.4 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3.5 | +3 $1.5 \quad ^{+}3.0^{\circ} \quad ^{*}5.5 \quad ^{*}8.3 \quad ^{*}10.5 \quad ^{+}6.8 \quad ^{+}4.4 \quad ^{+}0.2 \quad ^{0.1}{}^{+}0.1 \quad ^{+}0.1 \quad ^{+}0.1 \quad ^{+}0.1 \quad ^{+}0.1 \quad ^{+}0.0 \quad ^{+}0.1 \quad ^{+}0$ AUDI DEALERSHIP FINISH FLOOR 870.00 1.6 +3.1 *5.8 *8.7 *10.8 | 7.3 +4.2 | +0.2 | +0.1 +0.1 +0.1 +0.1 +0.1 +0.0 $^{+}0.1$ $^{+}0.1$ $^{+}0.2$ $^{+}0.4$ $^{+}0.6$ 0.8 $^{+}1.0$ $\xrightarrow{*}1.4$ $\xrightarrow{*}2.0$ $\xrightarrow{*}2.9$ $\xrightarrow{*}2.9$ 1.8 +3.4 $\times 6.0$ $\times 9.4$ $\times 1.1.5$ $\times 7.7$ $\times 7.3$ $\times 7.3$ $\times 9.3$ $\times 9.2$ $\times 9.2$ $\times 9.4$ $\times 9.1$ $\times 9.1$ $\times 9.1$ +3.8 | *6.8 *9.9 *11.6 | 7.9 +4.9 | +0.3 | 0.2 | +0.1 | +0.1 | +0.1 | +0.1 | +0.1 | BENCHMARK $^{+}0.1$ $^{+}0.3$ $^{+}0.5$ $^{+}0.8$ $^{+}0.5$ $^{+}0.8$ $^{+}0.5$ $^{+}0.8$ $^{+}0.5$ $^{+}0.8$ $^{+}0.1$ $^{+}0.8$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.3$ $^{+}0.5$ $^{+}0.8$ $^{+}0.5$ $^{+}0.8$ $^{+}$ *7.2 *10.0 *1139 8.1 *+5.3 +0.4 0.3 0.1 +0.2 +0.1 +0.1 +0.1 *0.1 ARROW ON HYDRANT ELEVATION 871.87 +0.1 +0.1 +0.3 +0.5 +0.8 +0.9 +1.1 +1.8 +2.2 +2.5 +2.6 +2.8 +3.1 +3.3 = 3.5 +3.7 +3.8 +3.7 +3.8 +3.9 +3.9 +3.9 +3.9 +3.9 +3.9 *108 *115 | 7.9 +5.5 | +0.5 | 0.4 | 0.3 | +0.2 +0.1 +0.1 +0.1 0.1 +0.1 +0.2 +0.4 +0.6 0.8 1.0 +1.4 +2.0 26 3.2 3.5 3.9 4.4 5.3 5.8 5.9 5.8 6.0 6.2 6.0 +5.8 6.0 +5.8 6.0 +5.8 +0.1 +0.1 +0.2 +0.4 +0.5 +0.7 *1.3 *2.2 *5.9 *7.1 *7.9 *8.8 *9.3 *9.9 *10.4 *10.8 *10.8 *10.1 *10.1 *10.8 *10.8 *10.5 *10.5 *10.5 *10.5 *10.1 *10.0 *9.9 *10.2 *10.2 *10.2 *10.2 *10.2 *10.4 *10.6 *10.4 *10.6 *10.4 *10.6 *10.4 *10.6 *10.4 *10.6 *10.4 *10.8 *10.8 *10.8 *10.5 *10 +0.1 +0.1 +0.1 +0.2 +0.3 +0.6 +1.1 +0.2 +0.3 +0.6 +1.1 +0.5 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.1 +0.5 +0.5 +0.1 +0.5 **O.O **Plan View** Scale - 1'' = 30ft

+5,9 *A1 @25 3.6 *2 *

A3 @ 25' **.1 **3.2 **4.1 **4.9 **5.4 **3.5 **1.9 **2.1 **2.6 **3.1 **3.6 **4.3 **5.3 **5.3 **5.5 **4.6 **3.0 **1.8 **1.2 **6.7 **0.6 **0.3 **0.2 **0.1 **0.

*4.2 *3.9 *3.8 *3.9 *4.8 *4.9 *4.9 *4.9 *5.1 *4.4 *3.9 *3.8 *4.2 *3.9 *4.6 *5.2 | *4.5 | *4.5 | *4.5 | *5.2 | *5.1 | *4.4 | *5.2 | *5.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.1 | *6.2 | *6.1 | *6.2 | *6.1 | *6.2 | *6.1 | *6.2 | *6.1 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2 | *6.2

4.3 $\times 3.7$ $\times 3.8$ $\times 4.2$ $\times 4.3$ $\times 4.4$ $\times 4.8$ $\times 4.8$ $\times 4.6$ $\times 4.5$ $\times 4.6$ $\times 4.4$ $\times 3.8$ $\times 4.4$ $\times 4.6$ $\times 4.5$ $\times 4.6$ $\times 4.6$

*3.0 *3.2 *3.4 *3.7 *4.2 *4.4 *4.7 *5 0 *49 *3.8 *3.5 *3.7 | *2.3 | *60.1 | *0.1 *0.0 | *0.1 | *0.1 *0.0 | *1.7 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1 | *0.1

3.7 *4.3 *4.9 *5.4 *1.8 *3.4 *2.5 *2.3 *1.7 *0.7 *0.3 *0.2 *0.1 *0.1 *0.1

+2.9 +1.8 +1.3 +2.9 0.6+0.8 +0.2 +0.1 +0.1 +0.1

TV/KB Date 3/1/2022 rev. 3/8/2022 rev. 3/9/2022 Scale Not to Scale Drawing No. #22-72730-V3 1 of 1

Designer

PH(KED GAS WV