

ITC PARK STORAGE BUILDING JSP18-07

ITC PARK STORAGE BUILDING, JSP18-07

Consideration at the request of City of Novi for approval of Preliminary Site Plan and Storm Water Management Plan for ITC Park storage building, JSP 18-07. The subject property is located in Section 31 at northeast corner of Eight Mile Road and Napier Road. The applicant is proposing to build a 2,087 square feet single story storage building with 1 restroom for public use. The applicant has indicated that solar panels will be provided on the roof of the building, but no ground-mounted equipment is needed.

Required Action

Approval/Denial of the Preliminary Site Plan and the Storm water Management Plan

REVIEW	RESULT	DATE	COMMENTS
Planning	Approval recommended	04-20-18	• Items to be addressed on the final site plan submittal
Engineering	Approval recommended	04-27-18	• Items to be addressed on the final site plan submittal
Landscaping	Approval recommended	04-26-18	• Items to be addressed on the final site plan submittal
Traffic	Approval recommended	04-24-18	
Facade	Approval recommended	04-24-18	No additional comments
Fire	Approval recommended	04-09-18	No additional comments

Motion sheet

Approval - Preliminary Site Plan

In the matter of ITC Park Storage Building JSP18-07, motion to **approve** the <u>Preliminary Site</u> <u>Plan</u> and a Section 9 Waiver, based on and subject to the following:

a. The findings of compliance with Ordinance standards in the staff review letter and the conditions and the items listed in that letter being addressed.

(This motion is made because the plan is otherwise in compliance with Article 3, Article 4 Article 5 and Article 6 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

-AND-

<u>Approval - Stormwater Management Plan</u>

In the matter of ITC Park Storage Building JSP18-07, motion to **approve** the <u>Stormwater Management Plan</u>, based on and subject to:

a. The findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan.

(This motion is made because it otherwise in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

-OR-

Denial - Preliminary Site Plan

In the matter of ITC Park Storage Building JSP18-07, motion to **deny** the <u>Preliminary Site Plan and a Section 9 Façade Waiver</u>...(because the plan is not in compliance with Article 3, Article 4 and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

<u>Denial - Stormwater Management Plan</u>

In the matter of ITC Park Storage Building JSP18-07, motion to **deny** the <u>Stormwater Management Plan</u>...(because the plan is not in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

MAPS Location Zoning Future Land Use Natural Features

JSP 18-07: ITC PARK STORAGE BUILDING

Location Map





LEGEND





City of Novi

Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

Map Author: Sri Komaragiri Date: 05/03/18 Project: JSP 18-07: ITC PARK STORAGE BUILDING Version #: 1 Feet

0 80 160 320 4



1 inch = 378 feet

MAP INTERPRETATION NOTICE

JSP 18-07: ITC PARK STORAGE BUILDING Zoning





LEGEND

Sections

R-A: Residential Acreage



City of Novi

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Map Author: Sri Komaragiri Date: 05/03/18 Project: JSP 18-07: ITC PARK STORAGE BUILDING Version #: 1

0 80 160 320 48



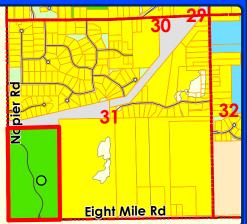
1 inch = 378 feet

MAP INTERPRETATION NOTICE

JSP 18-07: ITC PARK STORAGE BUILDING

Future Land Use









City of Novi

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Map Author: Sri Komaragiri
Date: 05/03/18
Project: JSP 18-07: ITC PARK STORAGE BUILDING
Version #: 1
Feet

0 80 160 320 48



1 inch = 378 feet

MAP INTERPRETATION NOTICE

JSP 18-07: ITC PARK STORAGE BUILDING

Natural Features





LEGEND



WETLANDS

WOODLANDS



City of Novi

Dept. of Community Development City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 cityofnovi.org

Map Author: Sri Komaragiri Date: 05/03/18 Project: JSP 18-07: ITC PARK STORAGE BUILDING Version #: 1

0 80 160 320 4



1 inch = 378 feet

MAP INTERPRETATION NOTICE

SITE PLAN (Full plan set available for viewing at the Community Development Department.)	

PARK STORAGE BUILDING AT ITC COMMUNITY SPORTS PARK

51000 8 MILE ROAD NOVI, MI. 48167

PRELIMINARY & FINAL SPA ISSUE DATE: 03/29/2018

DRAWING LIST

GENERAL

G-001 STANDARD SYMBOLS & STANDARD ABBREVIATIONS

CIVIL

C-1.0 TOPOGRAPHIC SURVEY & DEMO PLAN

C-2.0 OVERALL SITE PLAN
C-2.1 SITE PLAN (BASE)

C-2.2 SITE PLAN (ALTERNATE)

C-3.0 SESC PLAN

LANDSCAPE

L-1 LANDSCAPE PLAN (BASE)
L-2 LANDSCAPE PLAN (ALTERNATE)

REFERENCE DRAWINGS

CITY OF NOVI PAVING STANDARD DETAILS CITY OF NOVI SANITARY SEWER STANDARD DETAILS

ARCHITECTURAL

A-101 FLOOR PLAN, INTERIOR ELEVATIONS
A-111 REFLECTED CEILING PLAN

ELECTRICAL

E-112 PHOTOMETRIC PLAN

E-113 PHOTOMETRIC PLAN (ALTERNATE)

CLIENT:

CITY OF NOVI

45175 TEN MILE ROAD NOVI. MI 48375



ARCHITECTURAL / MECHANICAL / ELECTRICAL / PLUMBING:

NSA ARCHITECTS, ENGINEERS, PLANNERS

23761 RESEARCH DRIVE

FARMINGTON HILLS, MICHIGAN 48335

(248) 477-2444

CIVIL & LANDSCAPE CONSULTANTS:

PROFESSIONAL ENGINEERING ASSOCIATES

2430 ROCHESTER CT, SUITE 100

TROY, MI 48083-1872

(248) 689-9090

STRUCTURAL ENGINEERING CONSULTANTS:

SHYMANSKI & ASSOCIATES, LLC

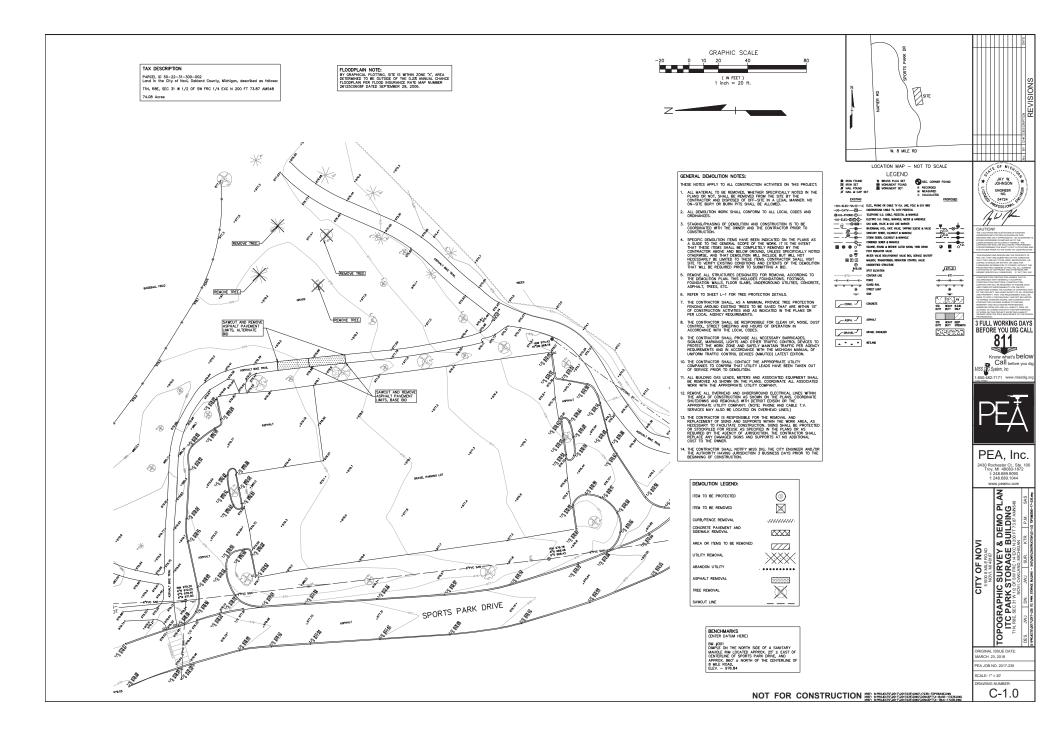
33426 FIVE MILE ROAD LIVONIA, MI 48154

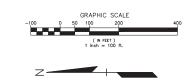
(734) 855-4810



T-001









LOCATION MAP - NOT TO SCALE

PROVIDED 922.18 FEET (SOUTH) 210.31 FEET (NORTH) 405.57 FEET (EAST) 811.53 FEET (WEST)

3 FULL WORKING DAYS BEFORE YOU DIG CALL 811

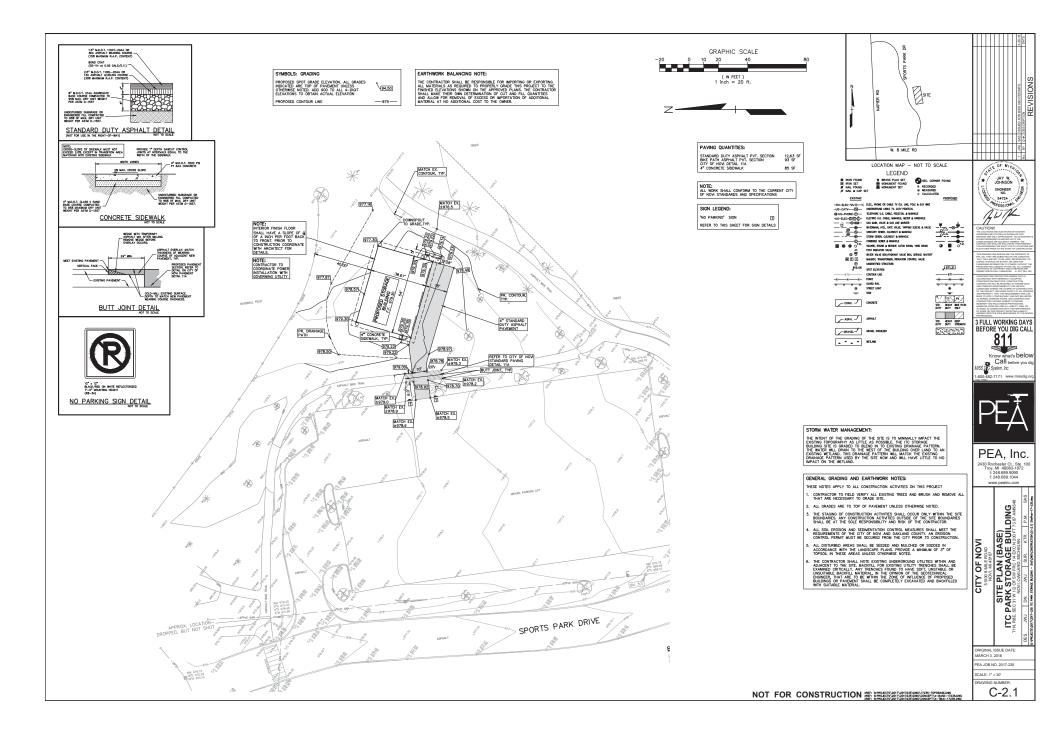


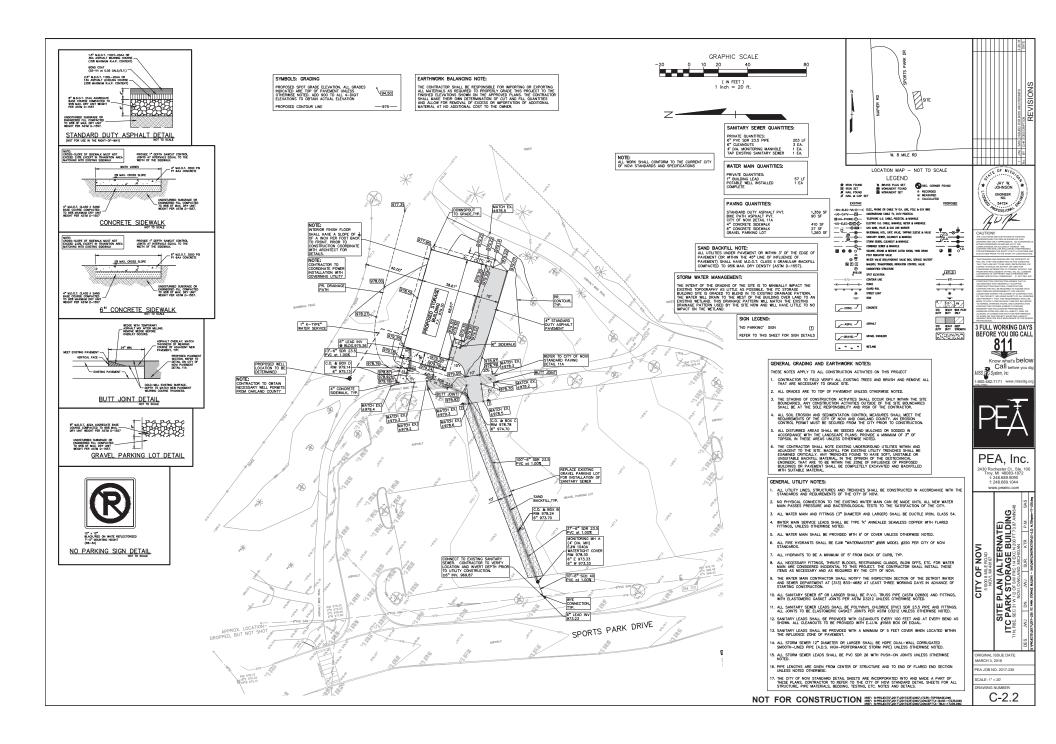
PEA, Inc. 2430 Rochester Ct., Ste. 100 Troy, MI 48083-1872 t: 248.689.9090 f: 248.689.1044 www.peainc.com

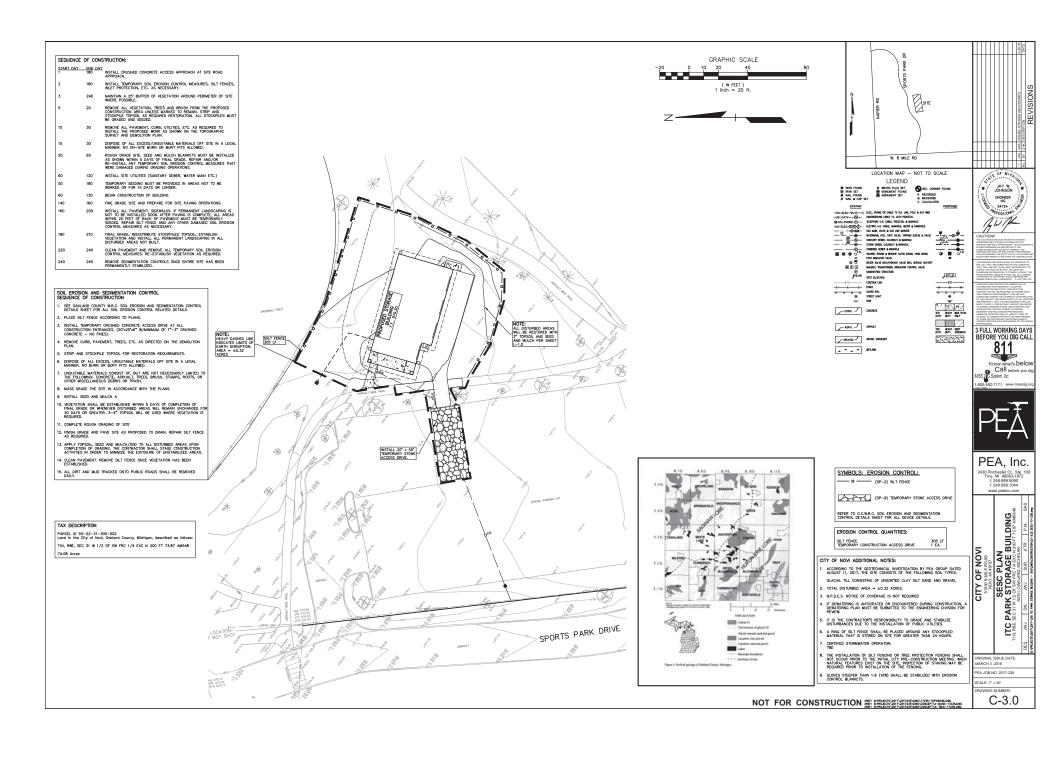
ORIGINAL ISSUE DATE: MARCH 3, 2018 PEA JOB NO. 2017-235

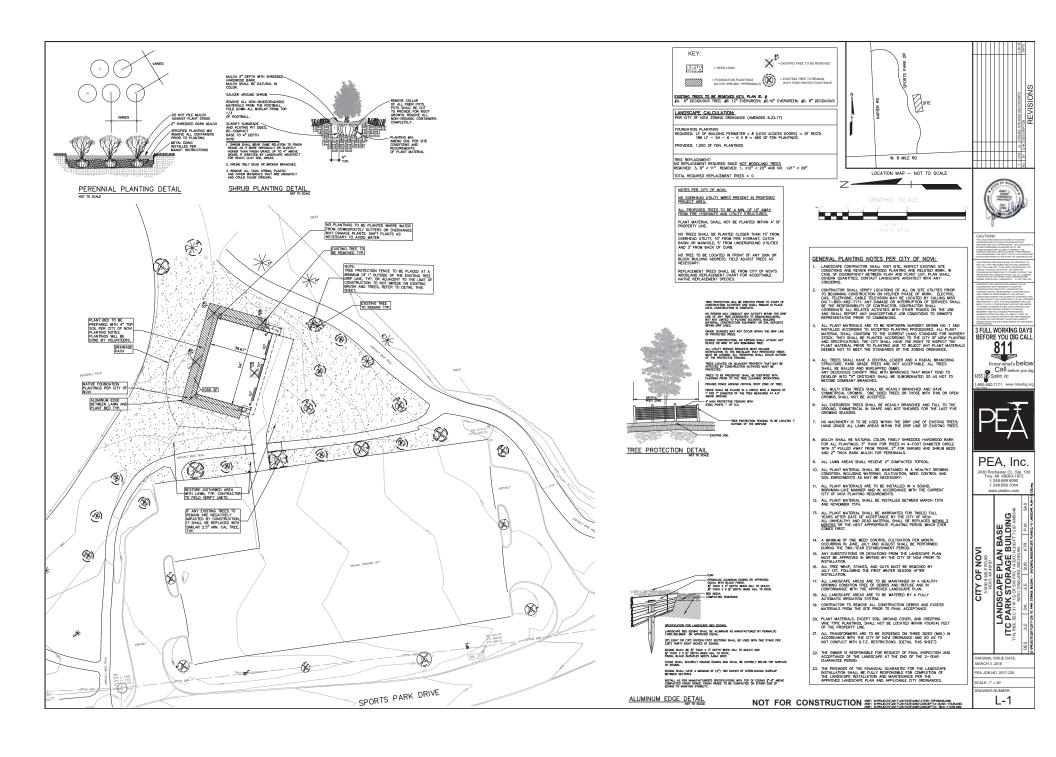
SCALE: 1" = 100' C-2.0

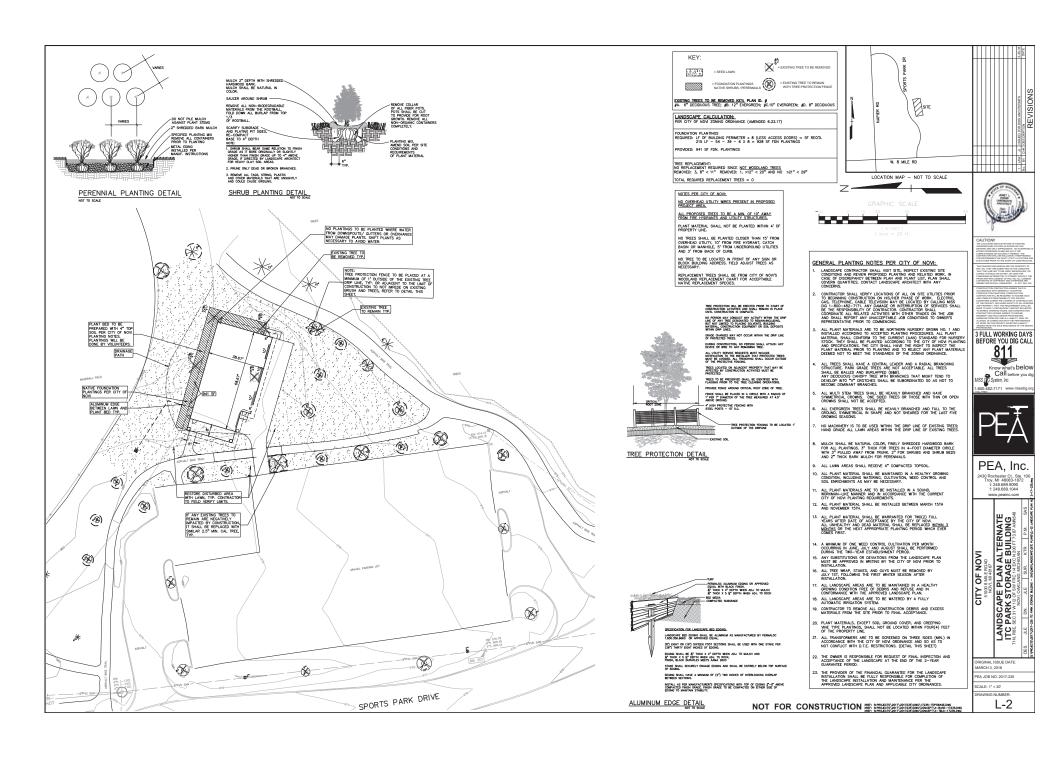


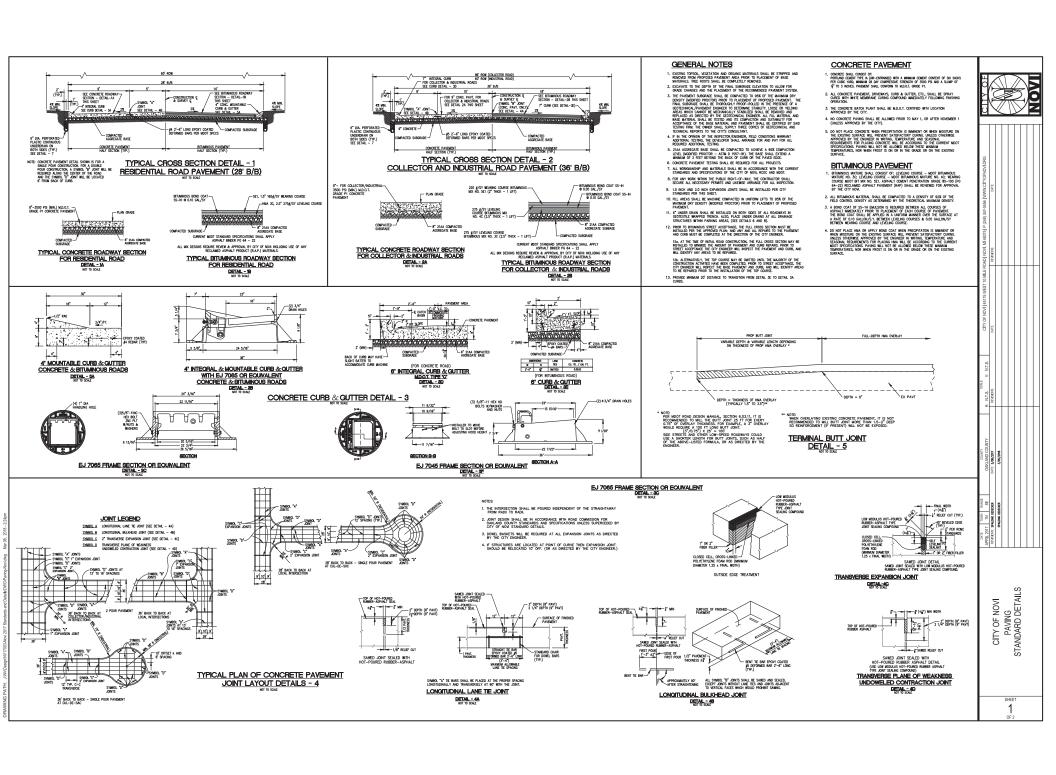


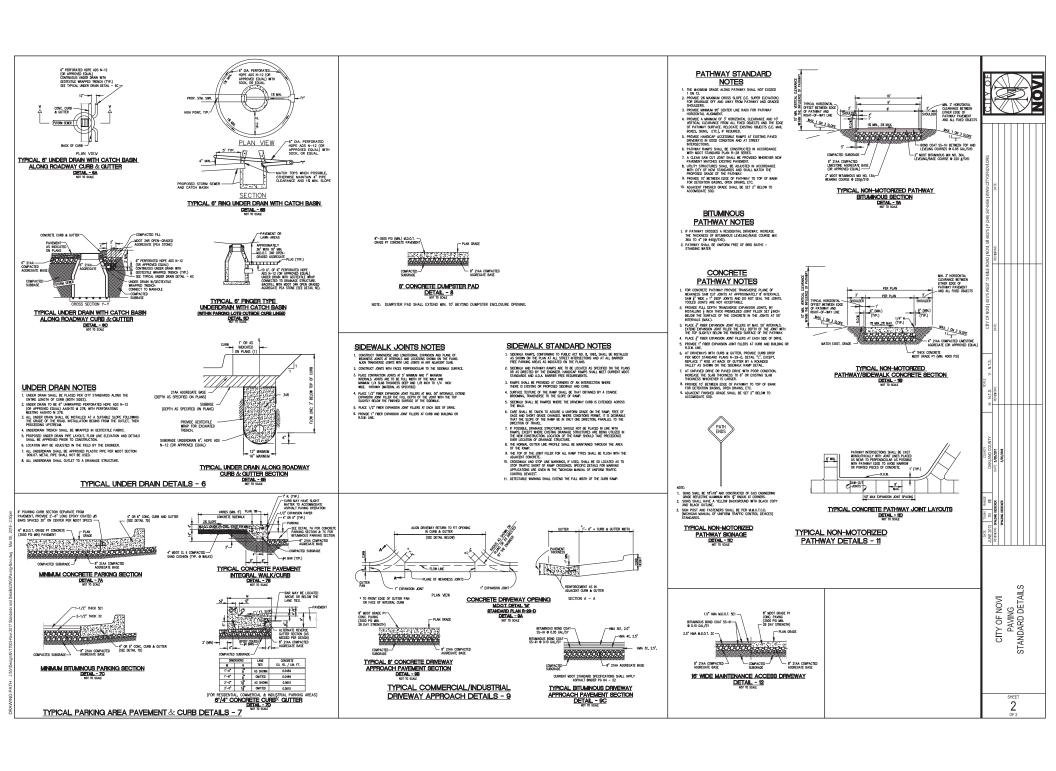


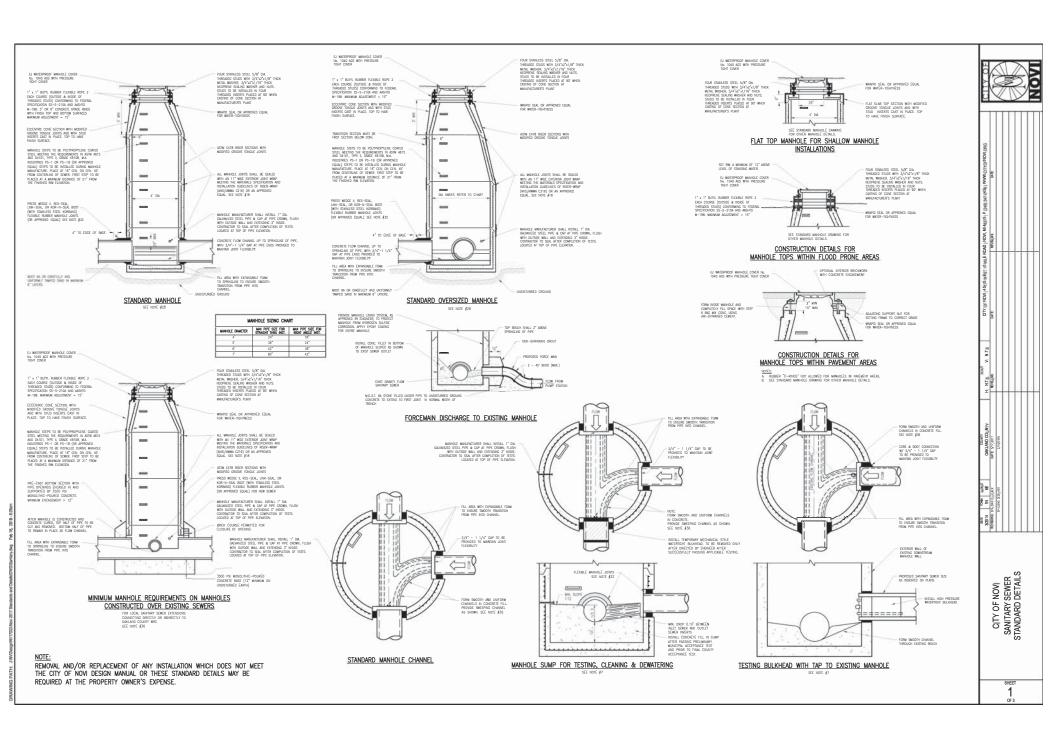


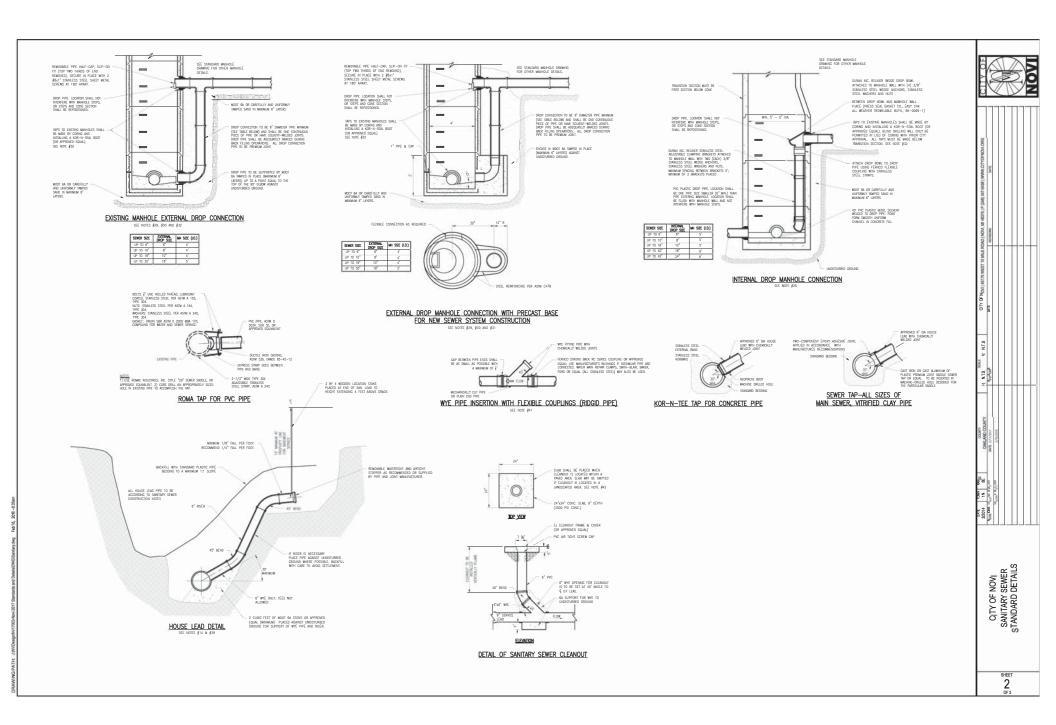




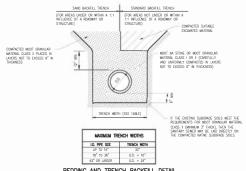




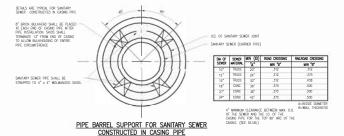


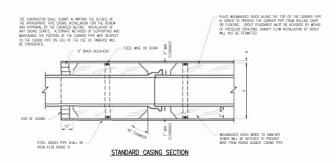


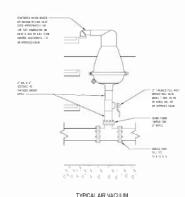
SAND OR GRAVEL BACKFILL DETAILS FOR SEWERS UNDER GRAVEL, CONCRETE OR ASPHALT PAVEMENTS, SIDEWALKS, DRIVEWAYS AND PARKING AREAS



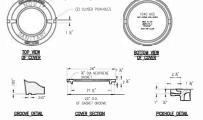
BEDDING AND TRENCH BACKFILL DETAIL





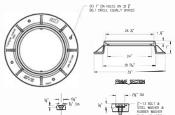


RELEASE VALVE ASSEMBLY



EST. WT. COVER: 150 LBS FRAME: 230 LBS UNIT: 380 LBS

MATERIAL SPEC



BOLTHOLE DETAIL BOLT DETAIL CAST IRON MANHOLE FRAME AND COVER

SANITARY SEWER CONSTRUCTION NOTES

- <u>FINISPA</u>, MOTES.

 All conditions and the conform to the current standards and specifications of the DN conformation of the CN per Novi and the Oxidend County Water Resource Commissioner (O.C.R.C.). All southly series controlled not had how full-time inspection appointed by the CN per Novi. The Controlled not contact the CN per Novi. The Controlled notation that CN per Novi. The Controlled notation that CN per Novi. The Controlled notation that CN per Novi. The CN per Novi. The
- At all connections to OC.W.R.C. severa or to entensions thereto, and before the start of construction, the Controctor must request and hove in his possession on approved Sever hopestion Fermit insules by the OC.W.R.C. The Controctor and deposit requirements. The Controctor and notify the City's Consultant and the OC.W.R.C. (CAMP. 805-8110) three (City 4) 805-8110 (or specify the City 4) and the property of the property of the controctor. Find of text must be witnessed by the OC.W.R.C. personnel and must be scheduled in choractor.
- Three (3) working days prior to construction, the Contractor shall telephone MSS DIG (811 or 1-800-482-7171) for underground facilities locations and shall also notify representatives of other utilities located in the vicinity of the work.
- 18 inch minimum vertical separation and 10 foot minimum horizontal separation must be maintained between scrittery sewer and water main.
- No seest institution shall have an infiltration according 100 gallons per inchidender per mile of job per 24 hour period and on single on an elever believes described to the control of t
- does not never pure. An artist part of the elements flow the temporary partition and the protection flow the temporary partiti increasing elements of protection to be removed only offer detailed the regions. At 1 this flower partition and the protection to be removed only offer detailed the regions. At 1 this flower partition and the elements of the rest partition and the regions of the removal to the rest partition and the removal temporary stars and the filled for the accessful completion of any following temporary stars that the filled for the accessful completion of any following temporary stars the removal testing for the sympletic partition from the removal testing for the sympletic filled matter is required for all the sympletic filled matter is required for all the sympletic filled matter is the sympletic filled matter is the sympletic filled matter in the sympletic filled matter is the sympletic filled matter in the sympletic filled matter is the sympletic filled matter in the sympletic fill of the sympletic filled matter in the
- A MASSCO PACP formatted video of the interior of sanitory sewer 8" or greater in diameter (with log and lead locations) shall be submitted to and approved by the dometer (with log and lead locations) shall be submitted to and approved by the City's Consultant Prior to find acceptances. Sold vides shall be obtained a minimum of 30 days after construction is completed and by a MUSSOD PACP Certified CCTV Contractor. Typical farms to be reviewed on the videotage will include pipe deflections, pipe settlement, lead connections, joints and pipe clearliness. If the video review reveals unselfactory conditions, the Contractor and Lorenzet the condition of this own cost and shall then re-video the difficulty pipe for review by the City's Consultant of the condition of the
- The completed installation shall at no point have out-of-round pipe deflections
- . The moterials specified below may be substituted with an approved equal as determined by the City. It is at the sale discretion of the City to determine if a material is acceptable and can be utilized. Written authorization must be obtained prior to ordering or installing the approved equal.

SANITARY SEWER NOTES:

- MATERIALS AND CERTIFICATIONS

 13. Truss Pipe and Fittings shall be as described under the current ASTM 02880.

 Appendix XI of soid specification shall be as modified by the bedding requirements outlined below.
- Solid wall pipe for 6" house connection sewers shall be PMC SDR 23.5 conforming to ASTM D3034 or ASTM D2665. Solid wall pipe shall be installed in accordance
- Pipe material utilized for force main shall submitted to and approved by the City prior to installation.
- All pipe shall be certified by the manufacturer to meet the applicable ASTM specification requirements. Certification forms, together with a report of the test results, shall be provided to the impactor with pipe deliveries and copies shall be forwarded to the Engineer or the Owner. Certification forms shall include project more, tocolon, Confractor, and test to number. Lot sizes shall be acceptable to
- 17. All pipe and fillings shall be suitably mirked to provide mound-lossers' nomes, estimate code (including date and location of mound-cates). Child designation, and the control of t
- QC.W.R.C./City of Novi opproved flasible manhole joints shall be used. Where odoptors to other moterials are required, only opproved odoptors and joints may be used. Where the connections are mode to existing manholes, o nubber waterstop shall be used around the pipe.
- 19. No clay pipe will be allowed for main line sanitary sewer or for sanitary sewer

BEDDING 20. Bedding for Truss Pipe and solid wall pipe shall be in occordance with the current Bedding for Trust Pipe and sold well pipe shall be in accordance with the current ASTM 10221, except.) (1) only MOT Global in all Close is granter moderate or MOT 69 stone may be used, (2) embedment shall extend to minimum 17.2 done top of pipe, and (3) flooding a puddling shall not be used. The use of firshible and the shall be designed to the contract of the contract of the contract of the complete bedding contact under pipe haunches. Bedding motivation must be properly placed and compacted to provide better relative algorist direction in the pipe diameter. Pipe must be lodded to the true fine and grade throughout its length.

- Where unstable bottoms are encountered, the Contractor shall undercut to stable ground and construct of foundation consisting of MIDIT 64 stone to act as an impervious must be greent migration or verifical movement of unstable soils or bedding moterials. Where trench sheeting, plates, or a trench box are used due to sweet ground conditions, all voids to the side and bedow the top of the pipe caused by the sheeting, plates, or box withdrawal shall be completely filled or the supports let it place below the top of the pipe.
- 22. Des to potentic democy to exterior red as I truss Pipe or and a set pipe, a contract of the pipe, and the pipe, and the pipe, as the pipe, the Contractor shall corelady could dumping ony motivation step the pipe, the Contractor shall corelady could dumping ony motivation step the pipe of the pipe o

- TLL

 The big compared done pie or a federal or construent expression from the compared done pie or as federal or construent expression for the big control of the control o
- Distinct for PCC Trues Pipe, PCC sold will pipe and fittings shall be of the electromic goalet pash-on type, Such joints shall conform to the current ASTM 2021 and the pipe moniformer shall be shirt to CLERE, a copy of certified occordons with procedures specified by the pipe moniformer, such that the accordons with procedures specified by the pipe moniformer, such that the qualitat sile be compressed (ord displaced) her be joint to firm growth sent for the pipe the form a goalite sent Core did to total in how and pipel to provide procedures as the compression of the pipel to firm any opinior and only opinior first opinion and opinior procedures.

CHITE AND MARCIANG 26. Outling of pipe lengths, where required, shall be performed with tools or equipment that will provide or need, preprendictor out without demone to the please or the filter material. All burns shall be removed by the use of a file, lenfe, or obtaine poper. Signate and on out pipe shall be beveled similar to foctory bevening to prevent goated domage.

Bowing or worping of Truss Pipe or solid wall pipe can occur with temperature fluctuations. The Contractor shall store and protect the pipe to minimize bowing. Nominal 126° or longer pipe lengths having deviations from straight great 1° , as measured along a straight line, shall not be used.

STREAMS (MINE)

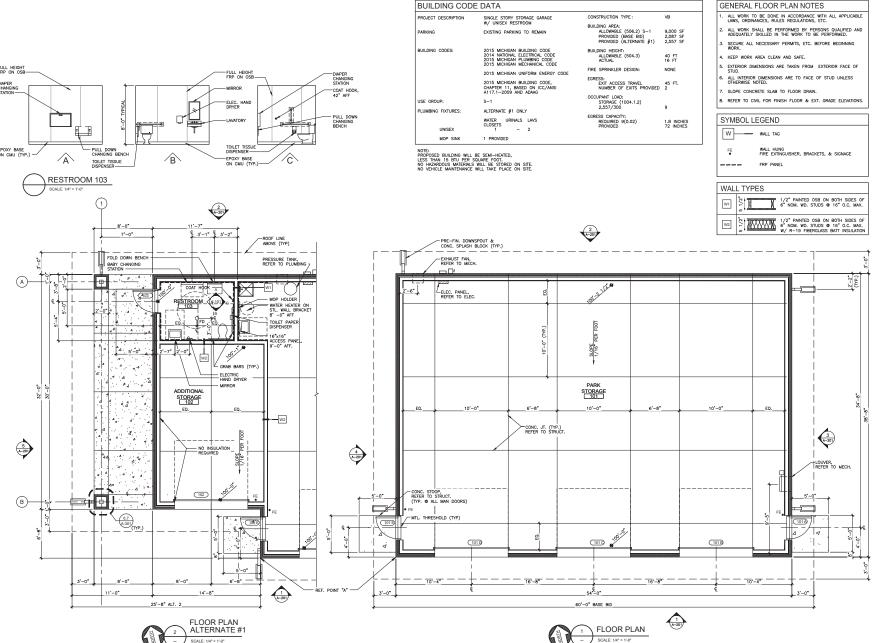
28. All new markes shall have OLWRC/Clty of look approved fleshle, waterlight seed where pipes pass through walds. Maintains shall be precest sections with modifies torque and prove joints with rubber guidest and shall conform to ASTM Preceded members sections with the OLRRC/Clty of their approved modified ecosativity care type. All markates shall be provided with relatingly covers.

- The difference in the invert elevations at a drop connection must be a minimum of 18". If on 18" minimum cannot be obtained, the sever must be made steeper in order to achieve matching invert elevations for all incoming and outgoing severs.
- All new manholes requiring on exterior drop connection shall be constructed using a manhole base with a precast drop as shown on sheet 2 of these details.
- Wherever existing markholes are to be tapped, the top shall be made by coring. The contractor shall place a KOR-N-SEAL boot (or approved equal) after coring is completed. Blind drilling will only be permitted in lies of coring with prior approved from both LOLWEC. and City of Novi.
- New manholes constructed directly on Q.C.W.R.C. sewers shall be provided with covers reading "Odkland County Water Resources Commissioner Sanitary" in raised letters per detail in the Q.C.W.R.C. specifications.
- New markales built over any existing sanitary severs shall have manafithic poured bottoms.
- No. A proper chornel shall be constructed within the relating structure of the connection point in the entiring system. Chowell deal be constructed to credit the text effect of the shader, when the shall shall were shall shall be considered to extend the chornel in a precent structure that utilizes a finishing pitch spice connection, the chornel shall be spiced as and to the text in paying with the finality of the pitch shall be constructed the same size or the inside dismitser of the matter pitch.

SAMENY STARK LEG MOIDS: 37. All building lead eart must be performed under City of Novi inspection. The Department of Palics Service conducts inspection of lead from moin sewer to ROW Ins. The Building Department conducts inspection of lead from ROW line to building corrections.

- All building leads and risers shall be 6" SDR 23.5 PAC with nubber goalet joint (ASTN 10265), or a Cby of lovel approved easy tipe and joint. Seem pipe way to be compared to the first part of the compared to the co
- Where on existing building lead is being extended, dissimilar types and sizes of pipe shall be joined using on O.C.W.R.C./City of Novi approved adapter. Allowebl types of sever pipe adapters are the Femco Adapter or the Femco Flexible Coupling.
- Red tops of existing sonitory severs shall be mode by installing o we fitting for house connections. Fenno: fittings with statisties steel bards shall be used to secure the vey fitting be the sorting sever type. Bedding in those connections are statisting to the sorting sever type. Bedding in those connection unstable trenders should be bedded in MOOF dis stone, or on approved equal, to endicide stitlement. Concrete shall not be used for bedding, force oper plays shall be broad or orcharded to withstand oir test pressures. Cops or plays shall not be chemically wedded in place.
- 42. Where soritory sewer cleanouts foll within a powed area (porking lot, service drive area, etc.), the cleanout shall have a cost iron cover that is centered in a 2'x2'x8" (min.) concrete slob howing a compressive strength of 3000 psi at 28-day cure time.

CITY OF NOVI SANITARY SEWER STANDARD DETAILS



GENERAL FLOOR PLAN NOTES

NOVI ITC COMMUNITY SPORTS PARK

STORAGE BUILDING

NOVI, MI

249,477,2446

Fanaded 1960

03-02-2018 PRE-APPLICATION OWNER REVIEW BIDS & PERMITS 03-29-2018 03-29-2018 PRELIM & FINAL SPA

MJS MS

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216402

FLOOR PLAN

A-101

	ALTERN	1ATE	: 1	FACAD	ЕМ	ATER	RIAL P	ERC	ENTA	GES		
NOVI ZONING ORDINANCE: 5.15 SCHEDULE REGULATING FACADE MATERIALS RA DISTRICT IN REGION 1												
	S	HTUC		N	ORTH		EAST			WEST		
	MATERIAL AREA	% ACTUAL	ALLOWED	MATERIAL AREA	% ACTUAL	ALLOWED	MATERIAL AREA	% ACTUAL	ALLOWED	MATERIAL AREA	% ACTUAL	% ALLOWED
BRICK	166 SF	57%	100%	425 SF	56%	100%	212 SF	54%	100%	193 SF	53%	100%
WOOD-GRAIN FIBER CEMENT	124 SF	43%	50%	334 SF	44%	50%	179 SF	46%	50%	172 SF	47%	50%
ASPHALT SHINGLES	(5:12 SLOPE)		25%									
TOTAL	290 SF			759 SF			391 SF			365 SF		

TOTAL BRICK % = 996 SF BRICK / 1,805 SF FACADES = 55% BRICK

	BASE	BII) FA	CADE	MAT	ERIA	L PER	CEN	TAGI	ES		
NOVI ZONING ORDINANCE: 5 15 SCHEDULE REGULATING FACADE MATERIALS RA DISTRICT IN REGION 1												
	SC	UTH		NORTH		EAST			W	EST		
	MATERIAL AREA	% ACTUAL	% ALLOWED									
BRICK	130 SF	56%	100%	334 SF	56%	100%	212 SF	55%	100%	190 SF	51%	100%
WOOD-GRAIN FIBER CEMENT	102 SF	44%	50%	262 SF	44%	50%	179 SF	46%	50%	179 SF	49%	50%
ASPHALT SHINGLES	(5:12 SLOPE)		25%									
TOTAL 232 SF 596 SF 391 SF 369 SF												

TOTAL BRICK % = 866 SF BRICK / 1,487 SF FACADES = 58% BRICK

REFERENCED NOTES:

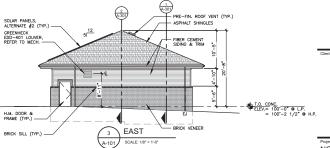
PER THE NOVI ZONING ORDINANCE: 5.15 SCHEDULE REGULATING FACADE MATERIALS:

NOTE 9: ALL BUILDINGS IN REGION 1. EXCEPT THOSE IN I-1 AND I-2 DISTRICTS. SHALL HAVE A MINIMUM OF THRITY (30) PERCENT BRICK. NOTE 11: THE PERCENTAGE OF WOOD SIDING, PAINTED T&G AND BATTEN SIDING MAY BE INCREASED TO 50% IN ZONING DISTRICTS RA THROUGH R4, RM-1 AND RM-2, WHEN THE USE OF WOOD SIDING IS CONSISTENT WITH RESIDENTIAL STYLE ARCHITECTURE.

NOTE 12: WOOD GRAIN TEXTURED FIBROUS CEMENT SIDING SHALL BE CONSIDERED WOOD SIDING WITH RESPECT TO THIS ORDINANCE GENERAL NOTES:

ROOF AREAS HAVING SLOPES 6:12 AND GREATER SHALL BE CONSIDERED FACADES.

ISION GLASS AND DOORS SHALL BE OMITTED FROM FACADE MATERIAL CALCULATIONS AND PERCENTAGES.





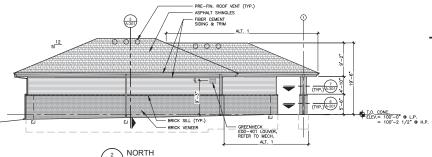
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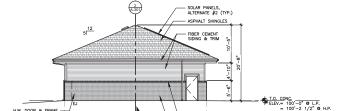
NOVI ITC COMMUNITY SPORTS PARK STORAGE BUILDING

NOVI, MI

Date:	Issued for:
03-02-2018	PRE-APPLICATION
	SUBMISSION
03-16-2018	OWNER REVIEW
03-29-2018	BIDS & PERMITS
03-29-2018	PRELIM & FINAL SPA



A-101 SCALE: 1/8" = 1'-0"



BRICK SILL (TYP.)

- BRICK VENEER

WEST ALTERNATE #1

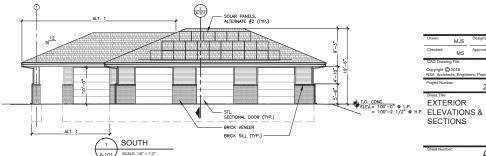
4 WEST

H.M. DOOR & FRAME -(TYP.)

ADA RESTROOM SIGN

- SOLAR PANELS, ALTERNATE #2 (TYP.)

ASPHALT SHINGLES



Drawn:	MJS	Designed:	RW
Checked:	MS	Approved:	FR

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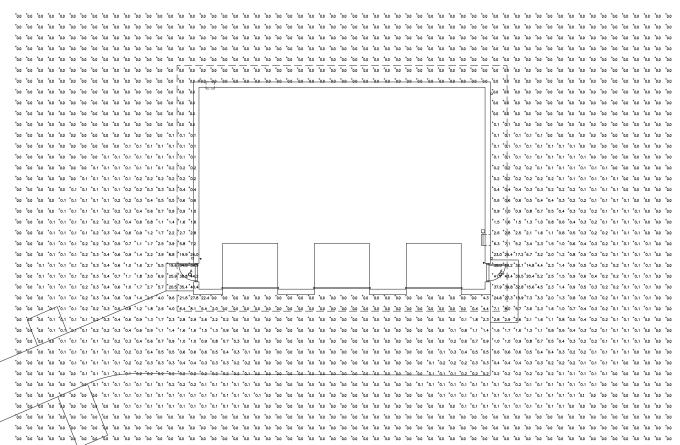
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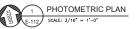
SECTIONS

A-201

Statistics						
Description	Symbol	Avg	Macc	Min	MaxMin	AvgMin
ITC Floor Plan	+	0.7 fc	44.2 fc	0.0 fc	N/A	NA

Luminaire	uminaire Schedule									
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lampa	Lumera per Lamp	LLF	Watage	
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CITYOF

Project Title: NOVI ITC COMMUNITY SPORTS PARK STORAGE BUILDING

NOVI, MI

03-16-2018

OWNER REVIEW
PRELIM & FINAL SPA

Drawn: ZW Designed: RV
Checked: Approved: F

CAD Drawing File: Copyright © 2018

NSA Architects, Engineers, Planners

Project Number:

oject Number: 216402 heet Title:

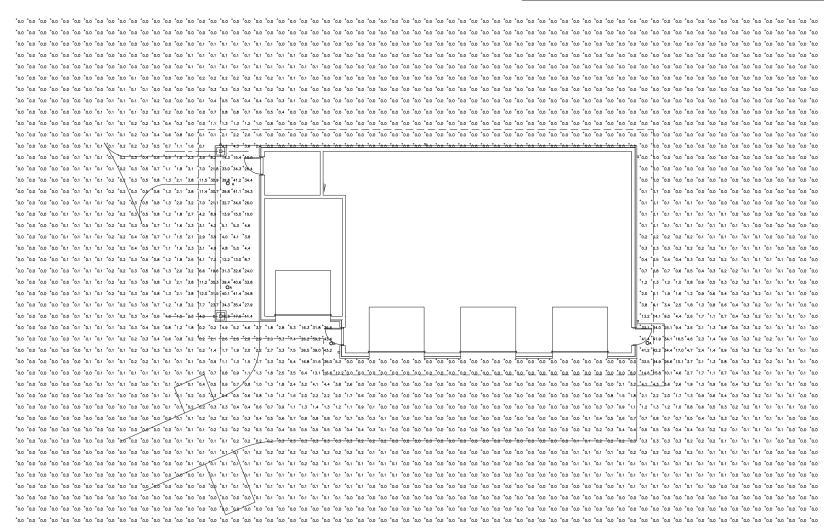
PHOTOMETRIC PLAN

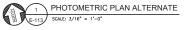
Sheet Number:

E-112

		ITC Alt. Floor Plan	+	1.0 fc	43.4 fc	0.0 fc	N/A	N/A
chedule								
Label	 	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage		

.uminaire	minaire Schedule									
Symbol	Label	QTY	Catalog Number	Description	Lamp	Number Lampa	Lumens per Lamp	LLF	Wattage	
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NOVI ITC COMMUNITY SPORTS PARK STORAGE BUILDING

NOVI MI

PRELIM & FINAL SPA

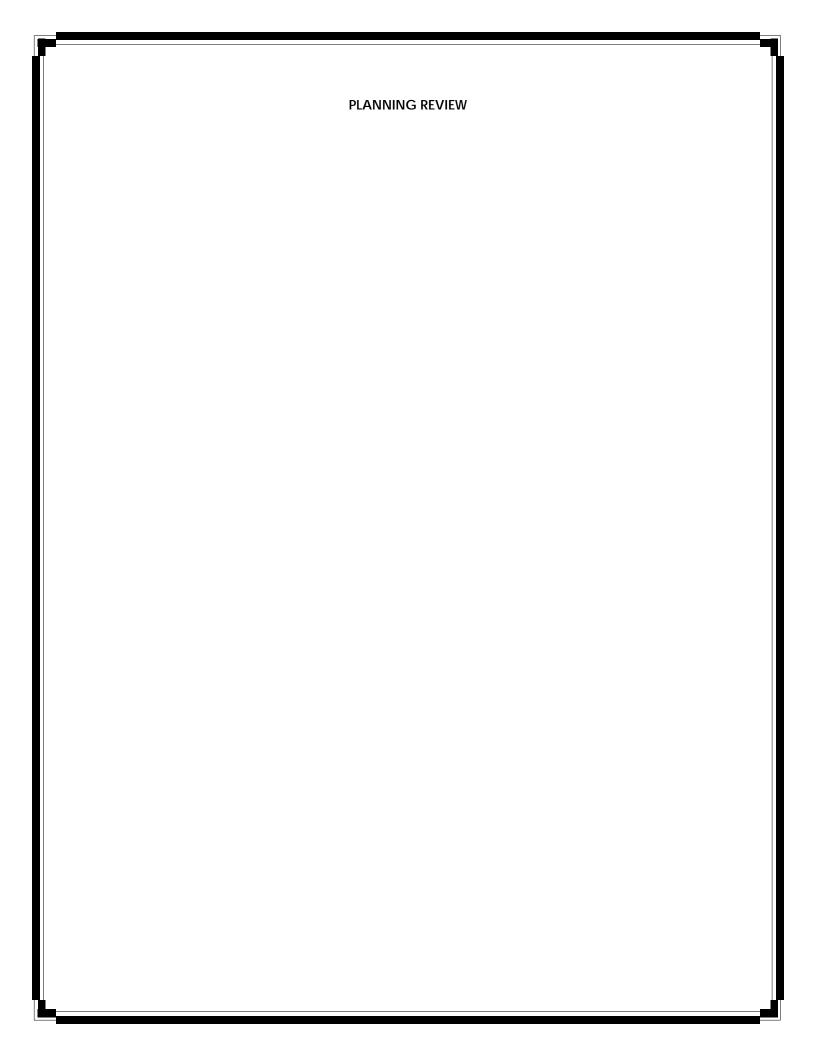
Drawn:	ZW	Designed:	RV
Checked:	JC	Approved:	FF

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PLAN REVIEW CENTER REPORT

April 20, 2018

Planning Review ITC PARK STORAGE BUILDING

JSP 18-07

PETITIONER:

City of Novi

REVIEW TYPE:

Preliminary and Final Site Plan

PROPERTY CHARACTERISTICS

Section 31

Site Location 51000 Eight Mile Rd

Site School District Novi Community School District

Site Zoning RA: Residential Acreage

Adjoining Zoning North RA: Residential Acreage

East RA: Residential Acreage West Single Family Residential South Maybury State Park

Current Site Use ITC Community Storage Park

Adjoining Uses North Single Family Residential

East Vacant

West Single Family Residential South Maybury State Park

Site Size 74.08 Acres
Plan Date March 29, 2018

PROJECT SUMMARY

The applicant is proposing to build a 2,087 square feet single story storage building with 1 unisex restroom for public use. The maximum height of the building is approximately 20 feet eight inches. The building is located along an existing parking lot along on the east side of Sport Park Drive north of Eight Mile Road. The applicant has indicated that solar panels will be provided on the roof of the building, but no ground-mounted equipment is needed. The applicant shall insure that this information is shown on the Final Stamping sets.

ORDINANCE REQUIREMENTS

This project was reviewed for conformance with the Zoning Ordinance with respect to Article 3 (Zoning Districts), Article 4 (Use Standards), Article 5 (Site Standards), and any other applicable provisions of the Zoning Ordinance. The plan conforms to all requirements.

- 1. <u>Plan Review:</u> The site plan set included a base plan with no restrooms and an alternate with restrooms. The review includes the additional square footage that was proposed in the alternate. **Final stamping sets should include the plan that will be built.**
- 2. Other Reviews

Preliminary/Final Site Plan

- 1. <u>Engineering Review:</u> Additional comments to be addressed with electronic stamping sets. Engineering recommends approval.
- 2. <u>Landscape Review:</u> Additional comments to be addressed with electronic stamping sets. Engineering recommends approval.
- 3. Facade Review: Façade recommends approval.
- 4. <u>Fire Review:</u> A Hazmat checklist has been provided. Fire recommends approval.

NEXT STEP: PLANNING COMMISSION MEETING

Please provide the following no later than May 03, 2018 to stay on schedule for May 09, 2018 meeting.

- An electronic version in PDF format of the site plan submitted , dated 03-29-18, with NO CHANGES MADE
- 2. A response letter addressing the comments from all the review letters.
- 3. A color rendering of building improvements, if any

ELECTRONIC STAMPING SET SUBMITTAL AND RESPONSE LETTER

After receiving Planning Commission's approval, please submit the following for Electronic stamping set approval:

- 1. Plans addressing the comments in all of the staff and consultant review letters in PDF format.
- 2. Response letter addressing all comments in ALL letters and ALL charts and refer to sheet numbers where the change is reflected.

STAMPING SET APPROVAL

Stamping sets are still required for this project. After having received all of the review letters from City staff the applicant should make the appropriate changes on the plans and submit 10 size 24" x 36" copies with original signature and original seals, to the Community Development Department for final Stamping Set approval.

PRE-CONSTRUCTION MEETING

A Pre-Construction meeting is not required for this project.

CHAPTER 26.5

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni at 248-347-0430 for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5607 or skomaragiri@cityofnovi.org.





PLANNING REVIEW CHART: RA_One Family Residential

Review Date: April 20, 2018

Review Type: Preliminary/Final Site Plan

Project Name: JSP 18-07 ITC STORAGE BUILDING

Plan Date: March 29, 2018

Prepared by: Sri Komaragiri, Planner

Contact: E-mail: skomaragiri@cityofnovi.org; Phone: (248) 735-5607

Items in **Bold** need to be addressed by the applicant and/or the Planning Commission before approval of the Preliminary Site Plan. <u>Underlined</u> items need to be addressed on the Final Site Plan.

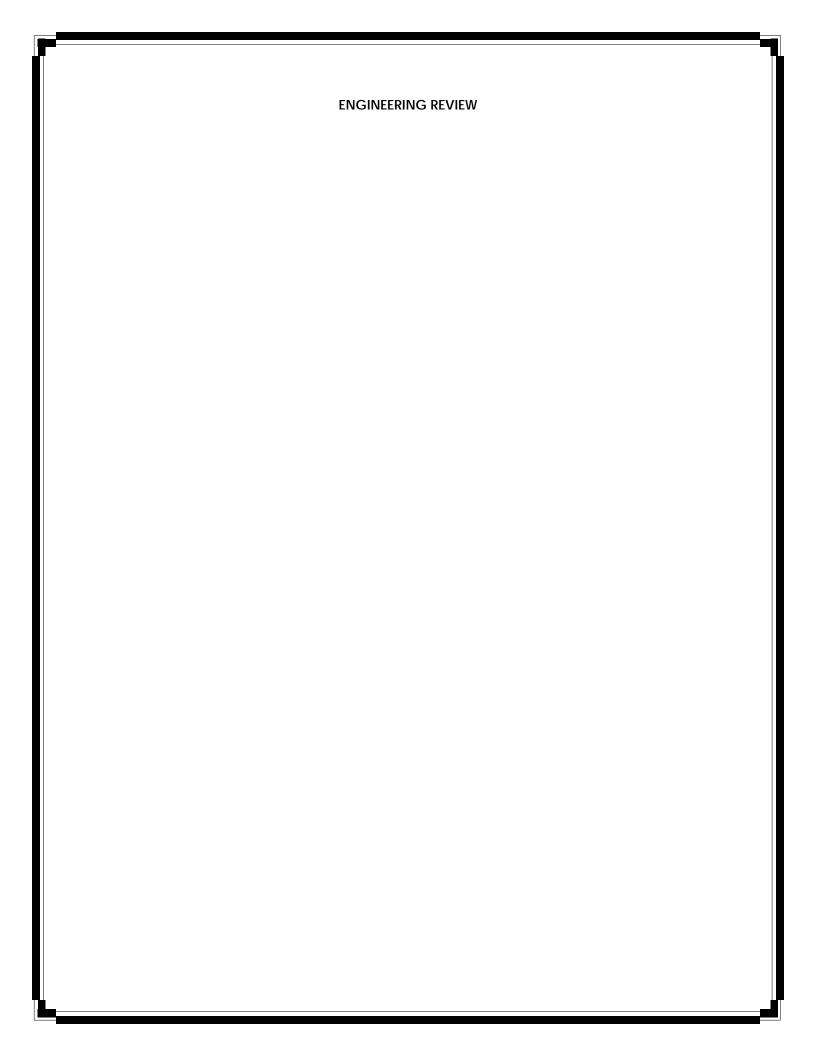
Item	Required Code	Proposed	Meets Code	Comments						
Zoning and Use Re	quirements									
Master Plan (adopted July 26, 2017)	Single Family, with master planned 1.65 maximum dwelling units per acre.	Storage area @ Public Park	Yes	Planning Commission approval of the site plan is required						
Zoning (Effective December 25, 2013)	R-4: One-Family Residential	Storage area @ Public Park	Yes							
Uses Permitted (Sec.3.1.5)	Publicly owned and operated parks, parkways and outdoor recreational facilities	Public Park	Yes							
Height, bulk, density and area limitations (Sec. 3.1.5)										
Maximum Dwelling Unit Density	0.8 DUA	Not Applicable	NA							
Minimum Lot Area (Sec 3.1.5)	1 acre	Total Site Area: Approximately 74.08 Acres	NA							
Minimum Lot Width (Sec 3.1.5)	150 ft.	Not Applicable	NA							
Building Setbacks	(Sec 3.1.5) & 3.6.B									
Front (Sec. 3.6.B)	For all uses other than single-family or two-family residential, 30 ft. or 75 ft. or Height of main building Whichever is greater	The building is located in the middle of ITC park, at least 400 away	Yes							
Side	10 ft. one side 30 ft. total two sides	from all side.	Yes							
Exterior Side Yard (Napier)	Same as front yard setback									
Rear	35 ft.		Yes							

Item	Required Code	Proposed	Meets	Comments
Maximum % of Lot Area Covered (By All Buildings) (Sec 3.1.5)	25%	Information is not provided at this point. It appears to be in compliance	Yes	
Minimum Floor Area (Sec 3.1.5)	1,000 Sq.ft.	2,087 SF	Yes	
Building Height (Sec 3.1.5)	35 ft. or 2.5 stories whichever is less	20'-8"	Yes	
Frontage on a Public Street. (Sec. 5.12)	No lot or parcel of land shall be used for any purpose permitted by this Ordinance unless said lot or parcel shall front directly upon a public street, unless otherwise provided for in this Ordinance.	Park fronts on Eight Mile Road	Yes	
Note to District Sta	ndards (Sec 3.6)			
Area Requirements (Sec 3.6A & Sec. 2.2)	 Lot width shall be measured between two lines where a front setback line intersects with side setback lines. Distance between side lot lines cannot be less than 90% between the front setback line and the main building. 	Not Applicable	NA	
Additional Setbacks (Sec 3.6B)	For all uses other than single-family or two-family residential, 30 ft. or 75 ft. or Height of main building Whichever is greater			
Exterior Side yard abutting Streets(Sec 3.6C)	NA	Side yards abutting residential districts	NA	
Wetland/Water- course Setback (Sec 3.6M)	25ft. from boundary of a wetland and 25ft. from the ordinary highwater mark of a watercourse.	There are no wetlands on site.	Yes	

Item	Required Code	Proposed	Meets Code	Comments			
Non-Motorized Plan	Not Applicable	No sidewalk is proposed with this site plan	NA				
Other Requirements							
Development and Street Names	Development and street names must be approved by the Street Naming Committee before Preliminary Site Plan approval	Not Applicable	NA				
Property Split or Combination	Property combination or split shall be reviewed and approved by the Community Development Department.	No Parcel combination or split is proposed at this point	NA				
Development/ Business Sign	Signage if proposed requires a permit.	Not Applicable	NA				

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. Please refer to those sections in Article 3, 4 and 5 of the zoning ordinance for further details.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





PLAN REVIEW CENTER REPORT

April 27. 2018

Engineering Review

ITC Sports Park Storage Building JSP18-0007

<u>Applicant</u>

City of Novi

Review Type

Preliminary/Final Site Plan

Property Characteristics

Site Location: ITC Sports park, north of Eight Mile, east of Napier

• Site Size: area of disturbance less than 1 acre

Plan Date: 03/29/2018Design Engineer: PEA, Inc.

Project Summary

- Construction of an approximately 2,700 square-foot storage building.
- Water service would be provided by a new well and water service lead to the building.
- Sanitary sewer service would be provided by a 6 inch lead connecting to an existing 6 inch lead that is routed to the on-site septic field.
- Storm water will drain to the wetland, following the current drainage pattern.

Recommendation

Approval of the Preliminary and Final Site plan and Storm Water Management Plan is recommended.

Comments:

The Preliminary/Final Site Plan meets the general requirements of Chapter 11 of the Code of Ordinances, the Storm Water Management Ordinance and the Engineering Design Manual with the following exceptions, which can be addressed with an electronic Stamping Set submittal:

<u>General</u>

- Provide the City's standard detail sheets for water main (5 sheets-rev. 02/16/2018), sanitary sewer (3 sheets-rev. 02/16/2018), storm sewer (2 sheets-rev. 02/16/2018), and paving (2 sheets-rev. 03/05/2018) at the time of the printed Stamping Set submittal. These details can be found on the City's website at this location: http://cityofnovi.org/Government/City-Services/Engineering-Division/Engineering-Standards-and-Construction-Details.aspx
- 2. Include a sign quantity table listing the type and number of each sign proposed.
- 3. A letter from either the applicant or the applicant's engineer must be submitted with the electronic stamping set submittal highlighting the changes made to the plans addressing each of the comments in this review.

Utilities

- 4. Consider increasing the slope on the sanitary sewer lead to 2.0%.
- 5. Revise the call out of 10 feet of 6-inch sanitary lead from the monitoring manhole to wye connection to be 6-inch PVC SDR23.5.

Paving & Grading

6. Include the newly issued City standard paving details in the plan set. Remove redundant or conflicting details from the site plan sheets. The asphalt pavement and sidewalk details as shown on sheet C2.1 and C2.2 are not consistent with City standards. Sidewalk shall have a 4-inch 21AA compacted limestone aggregate base rather than class II sand base (refer to detail 11B on sheet 2 of standard paving details).

The following must be submitted with the Stamping Set:

7. A letter from either the applicant or the applicant's engineer must be submitted with the electronic stamping set submittal highlighting the changes made to the plans addressing each of the comments listed above <u>and indicating the revised sheets involved</u>.

The following must be addressed prior to construction:

Requirements prior to construction are still being determined. Follow up correspondence on these items will be provided prior to the next submittal.

- 8. A pre-construction meeting may be required prior to any site work being started.
- 9. A City of Novi Grading Permit may be required prior to any grading on the site. This permit will be issued at the pre-construction meeting, if applicable (no application required). No fee is required for this permit.

- 10. Material certifications must be submitted to Spalding DeDecker for review prior to the construction of any utilities on the site. Contact Ted Meadows at 248-844-5400 for more information.
- 11. Construction inspection fees may be required for the site work, and any utilities to be installed.
- 12. Any applicable Water and Sanitary Sewer Fees must be paid prior to the preconstruction meeting. Contact the Water & Sewer Division at 248-347-0498 to determine the amount of these fees.

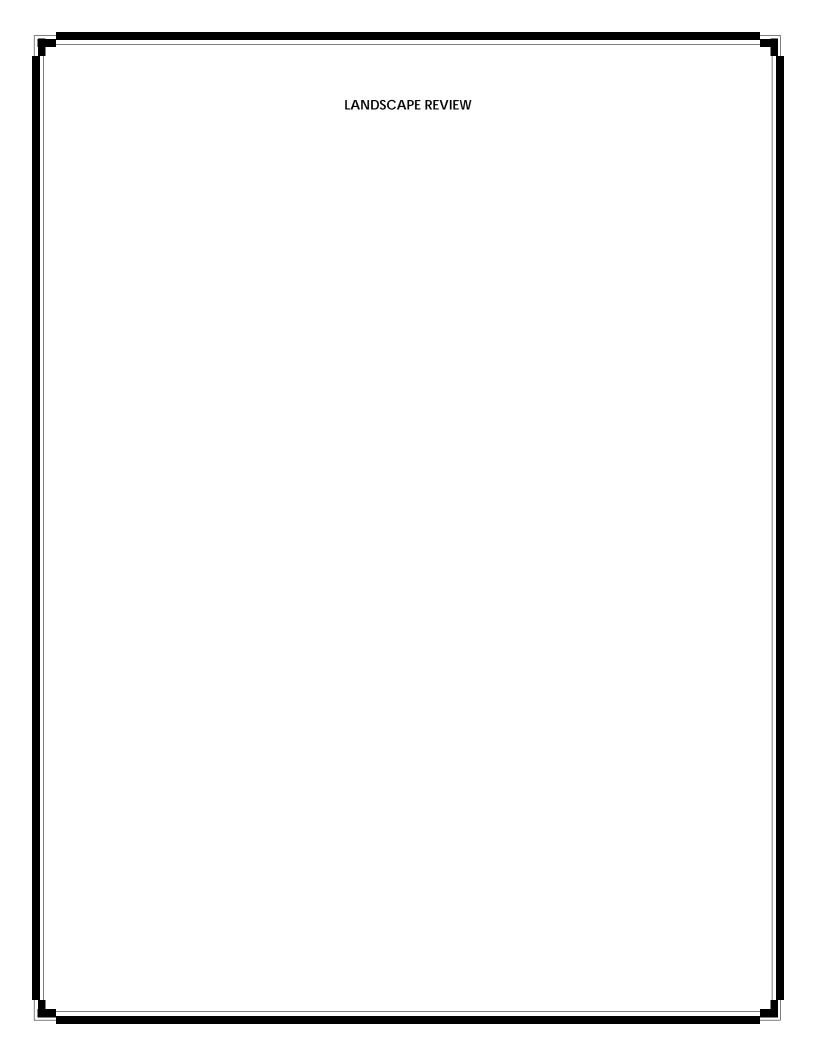
<u>Prior to preparing stamping sets</u>, the Applicant is advised to provide any revised sheets directly to the Engineering Division for an informal review and approval.

To the extent this review letter addresses items and requirements that require the approval of or a permit from an agency or entity other than the City, this review shall not be considered an indication or statement that such approvals or permits will be issued.

Please contact Darcy Rechtien at (248) 735-5695 with any questions.

Darcy N. Rechtien, P.E

cc: Sri Komaragiri, Community Development Kristin Pace, Treasurers Ben Croy, Water and Sewer Theresa Bridges, Engineering George Melistas, Engineering





PLAN REVIEW CENTER REPORT

April 26, 2018

Preliminary/Final Site Plan - Landscaping

ITC Storage Building

Review Type

Preliminary/Final Landscape Review

Property Characteristics

• Site Location: Northeast corner of Napier and 8 Mile Roads

Site Acreage: 8.2 acres
Site Zoning: OST
Adjacent Zoning: OST
Plan Date: 4/7/2017

Ordinance Considerations

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the revised Preliminary/Final Site Plan submittal. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines. This review and the accompanying Landscape Chart is a summary and not intended to substitute for any Ordinance.

Recommendation

This project is **recommended for approval for Preliminary Site Plans**. At this time, it is not approved for Final Site Plans. The minor corrections noted below and on the landscape chart, and a detailed landscaping plan, will be required for Final Site Plan approval.

Ordinance Considerations

Existing Soils (Preliminary Site Plan checklist #10, #17)

Provided.

Existing and proposed overhead and underground utilities, including hydrants.(LDM 2.e.(4))

- 1. Provided.
- 2. There are no overhead utility lines in the vicinity of the project.

Existing Trees (Sec 37 Woodland Protection, Preliminary Site Plan checklist #17 and LDM 2.3 (2))

- 1. No woodland trees. Existing landscape trees are located and identified.
- 2. Tree fencing is provided for all trees near construction that will be saved.

Adjacent to Residential - Buffer (Zoning Sec. 5.5.3.B.ii and iii)

Property is not adjacent to Residential.

Adjacent to Public Rights-of-Way - Berm (Wall) & Buffer (Zoning Sec. 5.5.3.B.ii and iii)

The project is not immediately adjacent to rights-of-way or an industrial subdivision road so no right-of-way berms or landscaping are required.

Street Tree Requirements (Zoning Sec. 5.5.3.E.i.c and LDM 1.d.)

The project is not immediately adjacent to a street so no street trees are required.

Parking Lot Landscaping (Zoning Sec. 5.5.3.C.)

No changes to the parking lot are proposed so no new landscaping is required.

Parking Lot Perimeter Canopy Trees (Zoning Sec. 5.5.3.C.(3) Chart footnote)

- 1. No changes to the parking lot are proposed.
- 2. If the perimeter tree near the new driveway to the parking lot is damaged or removed, it needs to be replaced.

Loading Zone screening (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)

No loading zone screening is required as part of this project.

<u>Building Foundation Landscape (Zoning Sec 5.5.3.D.)</u>

- 1. Required foundation landscaping area is provided for both base and alternate plans.
- 2. <u>Detailed landscape plans must be provided for final site plans.</u>

Plant List (LDM 2.h. and t.)

<u>Plant lists are required for final site plans.</u>

Planting Notations and Details (LDM)

- 1. Provided.
- 2. Please add a callout for the tree detail stating that root ball dirt must be removed to expose the root flare.

Storm Basin Landscape (Zoning Sec 5.5.3.E.iv and LDM 1.d.(3)

- 1. Rain gardens are proposed on both ends of the building to improve infiltration.
- 2. Rain gardens must be landscaped with plants native to Michigan.

<u>Irrigation (LDM 1.a.(1)(e) and 2.s)</u>

Watering plan is provided on Landscape Details Sheet

Proposed topography. 2' contour minimum (LDM 2.e.(1))

Provided.

Snow Deposit (LDM.2.q.)

Not applicable.

Proposed trees to be saved (Sec 37 Woodland Protection 37-9, LDM 2.e.(1))

All trees in area to be saved are protected with tree fencing.

Corner Clearance (Zoning Sec 5.9)

Not applicable.

The Meader

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5621 or rmeader rmeader@cityofnovi.org.

Rick Meader - Landscape Architect

LANDSCAPE REVIEW SUMMARY CHART

Review Date: April 26, 2018

Project Name: JSP18 – 0007: ITC Sports Park Storage Building

Plan Date: March 23, 2018

Prepared by: Rick Meader, Landscape Architect E-mail: rmeader@cityofnovi.org;

Phone: (248) 735-5621

Items in **Bold** need to be addressed by the applicant before approval of the Preliminary Site Plan. <u>Underlined</u> items need to be addressed for Final Site Plan.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requir	ements (LDM (2)			
Landscape Plan (Zoning Sec 5.5.2, LDM 2.e.)	 New commercial or residential developments Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. 1"=20' minimum with proper North. Variations from this scale can be approved by LA Consistent with plans throughout set 	Scale: 1"=20'	Yes	
Project Information (LDM 2.d.)	Name and Address	Yes	Yes	
Owner/Developer Contact Information (LDM 2.a.)	Name, address and telephone number of the owner and developer or association	Yes	Yes	
Landscape Architect contact information (LDM 2.b.)	Name, Address and telephone number of RLA	Yes	Yes	
Sealed by LA. (LDM 2.g.)	Requires original signature	Yes	Yes	
Miss Dig Note (800) 482-7171 (LDM.3.a.(8))	Show on all plan sheets	Yes	Yes	
Zoning (LDM 2.f.)	Include all adjacent zoning	Parcel: RA North, East: RA South: Northville Twp West: Lyon Twp	No	As project is internal to site, adjacent properties' zoning is not necessary.
Survey information (LDM 2.c.)	Legal description or boundary line surveyExisting topography	Sheet P-1	Yes	

Item	Required	Proposed	Meets Code	Comments	
Existing plant material Existing woodlands or wetlands (LDM 2.e.(2))	 Show location type and size. Label to be saved or removed. Plan shall state if none exists. 	Yes	Yes	 Removals clearly shown. Trees removed are not woodland trees or woodland replacement trees so they don't have to be replaced as such. If possible, please move the access pathway to the parking lot further north of the 12" perimeter tree so it is not negatively impacted by the construction or equipment using the path. It is currently shown as being protected by tree fence. 	
Soil types (LDM.2.r.)	 As determined by Soils survey of Oakland county Show types, boundaries 	No	No		
Existing and proposed improvements (LDM 2.e.(4))	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Yes	Yes		
Existing and proposed utilities (LDM 2.e.(4))	Overhead and underground utilities, including hydrants	Yes	Yes	There are no overhead lines in the project area.	
Proposed grading. 2' contour minimum (LDM 2.e.(1))	Provide proposed contours at 2' interval	Sheet P-2	Yes		
Snow deposit (LDM.2.q.)	Show snow deposit areas on plan	NA			
LANDSCAPING REQUIRE	MENTS				
Parking Area Landscap	e Requirements LDM 1.c. &	Calculations (LDM 2.0	o.)		
General requirements (LDM 1.c)	Clear sight distance within parking islandsNo evergreen trees	NA		No changes to the parking lot are proposed.	
Name, type and number of ground cover (LDM 1.c.(5))	As proposed on planting islands	NA			
General (Zoning Sec 5.5.3.C.ii)					

Item	Required	Proposed	Meets Code	Comments
Parking lot Islands (a, b. i)	 A minimum of 200 SF to qualify A minimum of 200sf unpaved area per tree planted in an island 6" curbs Islands minimum width 10' BOC to BOC 	NA		No changes to the parking lot are proposed.
Curbs and Parking stall reduction (C)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	NA		See above.
Contiguous space limit (i)	Maximum of 15 contiguous spaces	NA		See above.
Plantings around Fire Hydrant (d)	No plantings with matured height greater than 12' within 10 ft. of fire hydrants	No	TBD	 No new or existing plantings are shown near existing hydrants. To assist contractors, please add a note to the plans stating that all trees are to be at least 10 feet from hydrants or utility structures.
Landscaped area (g)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	NA		
Clear Zones (LDM 2.3.(5))	25 ft corner clearance required. Refer to Zoning Section 5.5.9	NA		
	OS-2, OSC, OST, B-1, B-2, B-3 district (Zoning Sec 5.5.3.C.		C-1, RC, Sp	ecial Land Use or non-
A = Total square footage of vehicular use areas up to 50,000sf x 7.5%	 A = x sf * 7.5 % = A sf 50,000 * 7.5% = 3750 sf 	NA		
B = Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	 B = x sf * 1% = B sf (xxx - 50000) * 1% = xxx sf 	NA		
Category 2: For: I-1 and	d I-2 (Zoning Sec 5.5.3.C.iii)			
A. = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x sf * 5% = A sf	NA		

Item	Required	Proposed	Meets Code	Comments
B = Total square footage of additional paved vehicular use areas over 50,000 SF x 0.5%	B = 0.5% x 0 sf = B SF	NA		
All Categories				
C = A+B Total square footage of landscaped islands	xxx + xxx = xxx SF	NA		
D = C/200 Number of canopy trees required	xxx/200 = 22 Trees	NA		
Perimeter Green space	1 Canopy tree per 35 lf	NA		 All existing perimeter trees are to remain. If the 12" elm is negatively impacted by construction, it shall be replaced.
Access way perimeter	1 canopy tree per 35 lf on each side of road, less widths of access drives.	NA		
Parking land banked	NA	No		
Berms, Walls and ROW	Planting Requirements			
Berms				
■ Berm should be locat	a maximum slope of 33%. G red on lot line except in cor structed with 6" of top soil.	•	ouraged. Sh	now 1ft. contours
Residential Adjacent to	Non-residential (Sec 5.5.3.	A) & (LDM 1.a)		
Berm requirements (Zoning Sec 5.5.A)	No berms are required for project due to its interior location.	None		
Planting requirements (LDM 1.a.)	LDM Novi Street Tree List	NA		
-	nts-of-Way (Sec 5.5.B) and ((LDM 1.b)	_	
Berm requirements (Zoning Sec 5.5.3.A.(5))	No berms are required for project due to its interior location.			
Cross-Section of Berms	(LDM 2.j)			
Slope, height and width	 Label contour lines Maximum 33% Min. 3 feet flat horizontal area Minimum 3 feet high Constructed of loam with 6' top layer of topsoil. 	NA		

Item	Required	Proposed	Meets Code	Comments			
Type of Ground Cover		NA					
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	NA					
Walls (LDM 2.k & Zoning	Walls (LDM 2.k & Zoning Sec 5.5.3.vi)						
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	None					
Walls greater than 3 ½ ft. should be designed and sealed by an Engineer							
	ning Requirements (Sec 5.5.	3.B. ii)					
Greenbelt width (2)(3) (5)	40 ft	875 ft	Yes				
Min. berm crest width	No berms are required for project due to its interior location.	None					
Minimum berm height (9)	No berms are required for project due to its interior location.	None					
3' wall	(4)(7)	No					
Canopy deciduous or large evergreen trees Notes (1) (10)	No plantings are required for project due to its interior location.	None					
Sub-canopy deciduous trees Notes (2)(10)	No plantings are required for project due to its interior location.	None					
Canopy deciduous trees in area between sidewalk and curb (Novi Street Tree List)	No plantings are required for project due to its interior location.	None					
	Sec 5.5.3.E.iii & LDM 1.d (2)		decaping	ndIDM			
Refer to Planting in ROV	W, building foundation land1 canopy deciduous	iscape, parking for land	uscaping a	HU LDIVI			
Interior Street to Industrial subdivision (LDM 1.d.(2))	per 35 l.f. along ROW No evergreen trees closer than 20 ft. sub canopy trees per 40 l.f. of total linear frontage	NA					
Screening of outdoor storage, loading/unloading		No storage or loading/unloadin g is proposed.	Yes				

Item	Required	Proposed	Meets Code	Comments
(Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)		Doors will be screened from south by existing wetland.		
Transformers/Utility boxes (LDM 1.e from 1 through 5)	 A minimum of 2ft. separation between box and the plants Ground cover below 4" is allowed up to pad. No plant materials within 8 ft. from the doors 	No transformers are proposed.	No	If a transformer is added, screening shrubs per standard detail are required.
Building Foundation Lar	ndscape Requirements (Sec	c 5.5.3.D)		
Interior site landscaping SF	 Equals to entire perimeter of the building x 8 with a minimum width of 4 ft. Base: (185-3*10-2*5)lf x 8ft = 1160 SF Alternate: (215-4*10-2*5)lf * 8 = 1320 LF 	Base: 1210 SF Alternate: 1380 SF	Yes	 Landscaping is provided along 3 of 4 sides, with existing lawn to remain on the south side. Two of those sides will be rain gardens. Detailed planting plans for rain gardens and other foundation plantings to be provided on stamping sets.
Zoning Sec 5.5.3.D.ii. All items from (b) to (e)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	100% of the building frontage facing Napier will be landscaped.	Yes	
Detention/Retention Ba	sin Requirements (Sec. 5.5.3	3.E.iv)		
Planting requirements (Sec. 5.5.3.E.iv)	 Clusters shall cover 70-75% of the basin rim area 10" to 14" tall grass along sides of basin Refer to wetland for basin mix 	 No detention pond is proposed. Rain gardens will be planted with native plants. 	Yes	
Phragmites Control (Sec 5.5.6.C)	 Any and all populations of Phragmites australis on site shall be included on tree survey. Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site. 	None indicated		

Item	Required	Proposed	Meets Code	Comments	
LANDSCAPING NOTES, I	DETAILS AND GENERAL REQU	JIREMENTS			
Landscape Notes - Utili	ze City of Novi Standard No	otes			
Installation date (LDM 2.1. & Zoning Sec 5.5.5.B)	Provide intended date	Between Mar 15 and Nov 15.	Yes		
Maintenance & Statement of intent (LDM 2.m & Zoning Sec 5.5.6)	 Include statement of intent to install and guarantee all materials for 2 years. Include a minimum one cultivation in June, July and August for the 2-year warranty period. 	Yes	Yes		
Plant source (LDM 2.n & LDM 3.a.(2))	Shall be northern nursery grown, No.1 grade.	Yes	Yes		
Irrigation plan (LDM 2.s.)	A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans.	No		Please add irrigation plan or information as to how plants will be watered sufficiently for establishment and long- term survival. If xeriscaping is used, please provide information about plantings included.	
Other information (LDM 2.u)	Required by Planning Commission	NA			
Establishment period (Zoning Sec 5.5.6.B)	2 yr. Guarantee	Yes	Yes		
Approval of substitutions. (Zoning Sec 5.5.5.E)	City must approve any substitutions in writing prior to installation.	Yes	Yes		
Plant List (LDM 2.h.) - In	clude all cost estimates				
Quantities and sizes		Yes	Yes		
Root type	Pofor to I DM suggested	Yes	Yes		
Botanical and common names	Refer to LDM suggested plant list	Yes	Yes		
Type and amount of lawn		No	No	Please add areas of each in cost table.	
Cost estimate (LDM 2.t)	For all new plantings, mulch and sod as listed on the plan	Yes	Yes	Foundation plantings will be included with revised final site plans or electronic stamping sets.	
Planting Details/Info (LDM 2.i) - Utilize City of Novi Standard Details					

Item	Required	Proposed	Meets Code	Comments
Canopy Deciduous Tree		Yes	Yes	Please add a callout saying that dirt from root ball needs to be removed to expose root flare.
Evergreen Tree	Refer to LDM for detail	No		No evergreens are proposed.
Shrub	drawings	Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	Yes	Yes	
Other Plant Material Re				
General Conditions (LDM 3.a)	Plant materials shall not be planted within 4 ft. of property line	Site is nowhere near property line.		
Plant Materials & Existing Plant Material (LDM 3.b)	Clearly show trees to be removed and trees to be saved.	Yes	Yes	
Landscape tree credit (LDM3.b.(d))	Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM	No		
Plant Sizes for ROW,				
Woodland replacement and others (LDM 3.c)	2.5" canopy trees 6' evergreen trees	Yes		Trees can be 2.5" cal.
Plant size credit (LDM3.c.(2))	NA	No		
Prohibited Plants (LDM 3.d)	No plants on City Invasive Species List			
Recommended trees for planting under overhead utilities (LDM 3.e)	Label the distance from the overhead utilities			No overhead utility lines exist or are proposed in project area.
Collected or Transplanted trees (LDM 3.f)		No		
Nonliving Durable Material: Mulch (LDM 4)	 Trees shall be mulched to 3" depth and shrubs, groundcovers to 2" 	Yes	Yes	

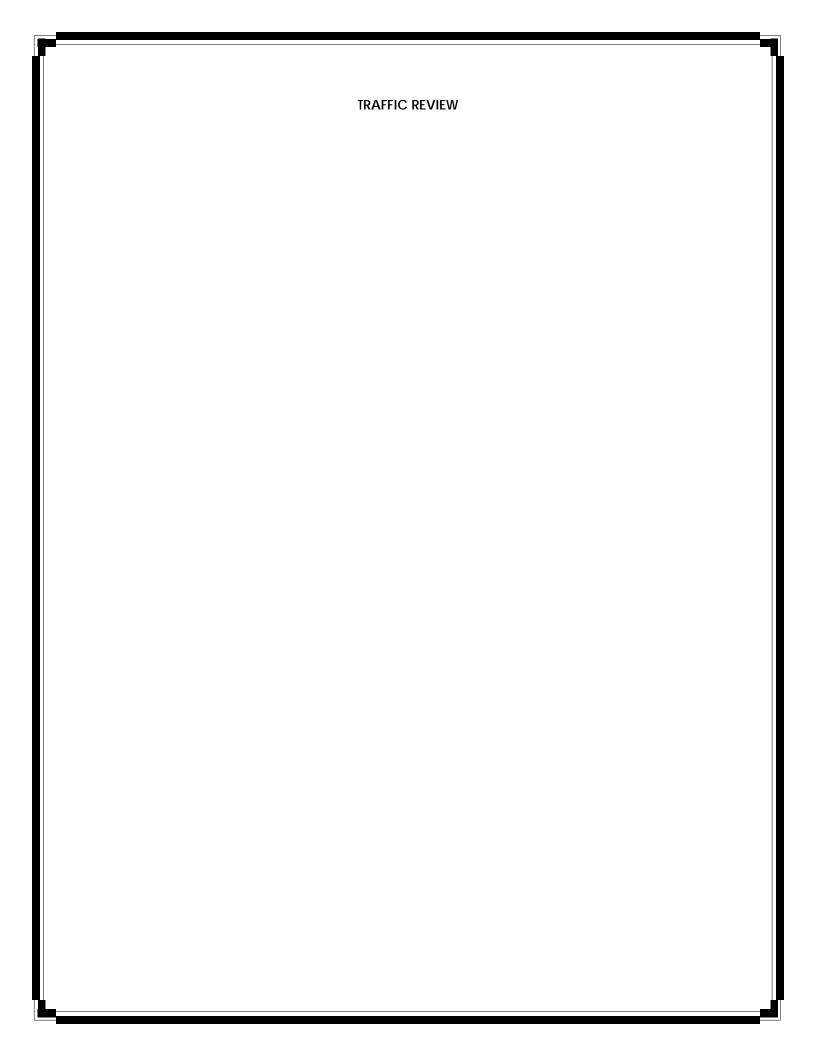
Item	Required	Proposed	Meets Code	Comments
	 depth Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate. Refer to section for additional information 			

Page 9 of 9

JSP18-0007: ITC Storage Building

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section 5.5 and the Landscape Design Manual for the appropriate items under the applicable zoning classification.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name:

AECOM

JSP18-0007 ITC Community Sports Park PSP-FSP Traffic Review

From: AECOM

Date: April 24, 2018

To: Barbara McBeth, AICP

City of Novi 45175 10 Mile Road Novi, Michigan 48375

CC:

Sri Komaragiri, Lindsay Bell, George Melistas, Theresa Bridges, Darcy Rechtien, Hannah Smith

Memo

Subject: ITC Community Sports Park PSP-FSP Traffic Review

The preliminary-final site plan was reviewed to the level of detail provided and AECOM **recommends approval** for the applicant to move forward with the condition that the comments provided below are adequately addressed to the satisfaction of the City.

GENERAL COMMENTS

- 1. NSA, Architects, Engineers, and Planners, is proposing a storage building at the ITC Community Sports Park. The proposed building will be located east of the parking lot that is located south of the baseball fields. The proposed building is approximately 1,980 square feet (SF).
- 2. Summary of traffic-related waivers/variances:
 - a. There are not any traffic-related waivers or variances required by the applicant at this time.

TRAFFIC IMPACTS

1. The proposed storage building is not expected to generate any discernable additional trips to the site.

EXTERNAL SITE ACCESS AND OPERATIONS

The following comments relate to the external interface between the proposed development and the surrounding roadway(s).

- 1. The applicant is not proposing any external site access modifications.
- 2. The storage building is not expected to produce a discernable amount of trips to the site and therefore no additional site access features are required.

INTERNAL SITE OPERATIONS

The following comments relate to the on-site design and traffic flow operations.

- 1. General Traffic Flow
 - a. The applicant has indicated that the largest vehicle that will access this building will be a tractor.

- b. The applicant has placed two R8-3A (no parking) signs adjacent to the building access pathway. The applicant could install arrows or "between signs" plaques to indicate the no parking zone. These may be non-standard plaques.
- 2. Parking Facilities
 - a. The storage building is not anticipated to require any additional on-site parking or bicycle parking.
- 3. Sidewalk Requirements
 - a. The applicant should provide a width dimension for the 4" concrete sidewalk on the west side of the building.
- 4. All on-site signing and pavement markings shall be in compliance with the Michigan Manual on Uniform Traffic Control Devices (MMUTCD). The following is a discussion of the proposed signing and striping.
 - a. The proposed R8-3A sign is in compliance with City standards.
 - b. The applicant should indicate the sign post details on the plan set.

Should the City or applicant have questions regarding this review, they should contact AECOM for further clarification.

Sincerely,

AECOM

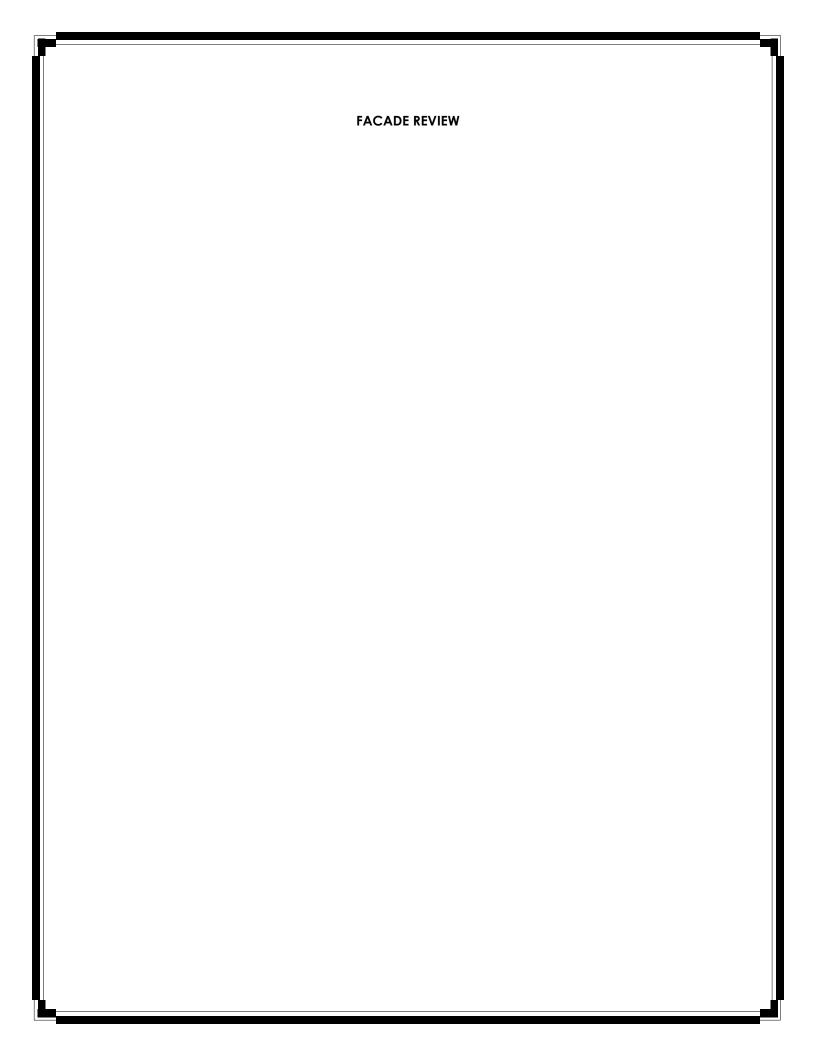
Sterling Frazier, PE

Reviewer, Traffic/ITS Engineer

Maurer Jeter

Maureen N. Peters, PE

Senior Traffic/ITS Engineer







April 24, 2018

Façade Review Status Summary:

Full Compliance, Section 9 Waiver Not Required

City of Novi Planning Department 45175 W. 10 Mile Rd. Novi, MI 48375- 3024

Re: FACADE ORDINANCE REVIEW – Preliminary and Final Site Plan Approval ITC Park Storage Building, JSP18-0007, PSP18-0028

The fark storage bullding, 351 10-0007, 1 51 10-

Façade Region: 1, Zoning District: RA

Dear Ms. McBeth;

The following is the Facade Review for Final Site Plan Approval of the above referenced project based on the revised drawings prepared by NSA Architects, dated 3/29/18. The percentages of materials proposed for each façade are as shown on the table below. The maximum percentages allowed by Ordinance Section 5.15 are shown in the right hand column. Note that the percentages of materials on the north and east elevations has changed since our prior review.

Base Bid	South	North	East	West	Ordinance Maximum (Minimum)
Brick	56%	56%	55%	41%	100% (30% Min.)
Cement Fiber Siding	44%	44%	45%	49%	50% (Footnote 14)
Asphalt Shilgles (Slope = 5:12)	NL	NL	NL	NL	No limit (NL) for slope less than 6:12

Alternate 1	South	North	East	West	Ordinance Maximum (Minimum)
Brick	57%	56%	54%	53%	100% (30% Min.)
Cement Fiber Siding	43%	44%	46%	47%	50% (Footnote 14)
Asphalt Shilgles (Slope = 5:12)	NL	NL	NL	NL	No limit (NL) for slope less than 6:12

Recommendation – The drawings indicate two possible floor plans; the Base Bid and Alternate 1. As shown above both plans are in full compliance with the Façade Ordinance. A Section 9 Waiver is not required for this project.

Notes to the Applicant:

- 1. It should be noted that all roof top equipment must be screened from view from all vantage points both on-site and off-site using materials in compliance with the Façade Ordinance.
- 2. Inspections The Façade Ordinance requires inspection(s) for all projects. Materials displayed on the approved sample board (in this case the adjacent existing material) will be compared to materials to be installed. It is the applicant's responsibility to request the inspection of each façade material at the appropriate time. Inspections may be requested using the Novi Building Department's Online Inspection Portal with the following link. Please click on "Click here to Request an Inspection" under "Contractors", then click "Façade".

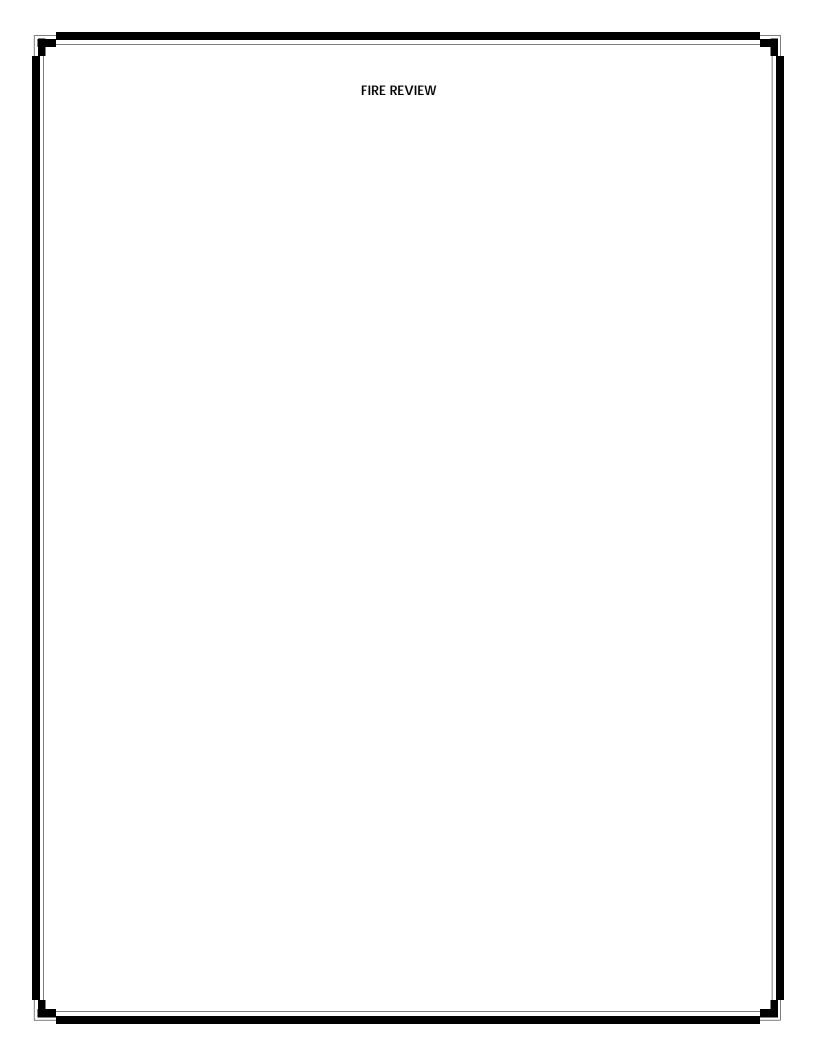
http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

If you have any questions regarding this review, please do not hesitate to call.

Sincerely,

DRN & Architects PC

Douglas R. Necci, AIA





April 9, 2018

TO: Barbara McBeth- City Planner Sri Ravali Komaragiri- Plan Review Center Lindsay Bell-Plan Review Center Hannah Smith-Planning Assistant

RE: ITC Park Storage Building

PSP# 18-0058

CITY COUNCIL

Mayor Bob Gatt

Mayor Pro Tem Dave Staudt

Andrew Mutch

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Gwen Markham

Kelly Breen

City Manager Peter E. Auger

Director of Public Safety Chief of PoliceDavid E. Molloy

Director of EMS/Fire Operations

Jeffery R. Johnson

Assistant Chief of Police

Erick W. Zinser

Assistant Chief of Police

Scott R. Baetens

Project Description:

Build a storage building with a unisex bathroom. (2557 S.Q. F.T.).

Comments:

Meets fire department standards

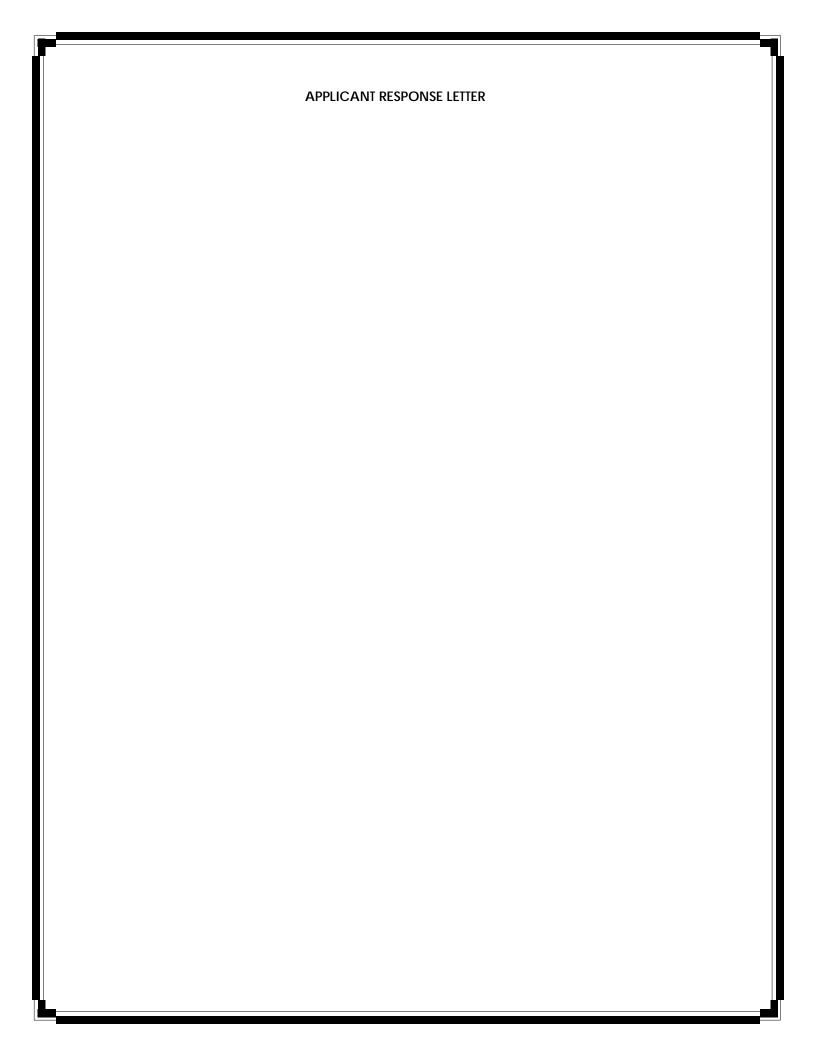
Recommendation:

APPROVED

Sincerely,

Kevin S. Pierce-Fire Marshal City of Novi – Fire Dept.

cc: file





City of Novi Department of Public Services 26300 Lee BeGole Drive Novi, MI 48375 May 3, 2018

Attention: Sri Komaragiri, Planner

Reference: Novi ITC Park Storage Building

Planning Review: Preliminary / Final Site Plan

Novi Project No.: JSP 18-07 NSA Project No.: 216402.00

Dear Ms. Komaragiri,

In response to your review comments dated April 20, 2018; we have included your comments and offer our responses in bold below:

PLANNING REVIEW

Zoning and Use Requirements:

1. Item: Master Plan (adopted July 26, 2017). Required Code: Single Family, with master planned 1.65 maximum dwelling units per acre. Proposed: Storage area at Public Park. Meets Code: Yes. *Comments: Planning Commission approval of the site plan is required.*

Response: This project will be reviewed by the Planning Commission.

ENGINEERING REVIEW

General:

2. Provide the City's standard detail sheets for water main (5 sheets-rev. 02/16/2018), sanitary sewer (3 sheets-rev. 02/16/2018), storm sewer (2 sheets-rev. 02/16/2018), and paving (2 sheets-rev. 03/05/2018) at the time of the printed Stamping Set submittal. These details can be found on the City's website at this location: http://cityofnovi.org/Government/City-Services/Public-Services/Engineering-Division/Engineering-Standards-and-Construction-Details.aspx

Response: We will comply.

23761 Research Drive Farmington Hills, MI 48335 248.477.2444 248.477.2445 fax

www.nsa-ae.com

3. Include a sign quantity table listing the type and number of each sign proposed.

Response: We will comply.

4. A letter from either the applicant or the applicant's engineer must be submitted with electronic stampings et submittal highlighting the changes made to the plans addressing each of the comments in this review.

Response: We will comply.

Utilities:

5. Consider increasing the slope on the sanitary sewer lead to 2.0%.

Response: We will consider this request.

6. Revise the call out of 10 feet of 6-inch sanitary lead from the monitoring manhole to wye connection to be 6-inch PVC SDR23.5.

Response: We will comply.

Paving and Grading:

7. Include the newly issued City standard paving details in the plan set. Remove redundant or conflicting details from the site plan sheets. The asphalt pavement and sidewalk details as shown on sheet C2.1 and C2.2 are not consistent with City standards. Sidewalk shall have a 4-inch 21AA compacted limestone aggregate base rather than class II sand base (refer to detail 11B on sheet 2 of standard paving details).

Response: We will comply.

The Following Must be Submitted with the Stamping Set:

8. A letter from either the applicant or the applicant's engineer must be submitted with the electronic stamping set submittal highlighting the changes made to the plans addressing each of the comments listed above and indicating the revised sheets involved.

Response: We will comply.

The Following Must be Addressed Prior to Construction:

9. A pre-construction meeting may be required prior to any site work being started.

Response: The selected General Contractor will schedule a pre-construction meeting if required.

10. A City of Novi Grading Permit may be required prior to any grading on the site. This permit will be issued at the pre-construction meeting, if applicable (no application required). No fee is required for this permit.

Response: The selected General Contractor will apply for a Grading Permit if required.

11. Material certifications must be submitted to Spalding DeDecker for review prior to the construction of any utilities on the site. Contact Ted Meadows at 248-844-5400 for more information.

Response: The selected General Contractor will submit material certificates as required.

12. Any applicable Water and Sanitary Sewer Fees must be paid prior to the pre-construction meeting. Contact the Water & Sewer Division at 248-347-0798 to determine the amount of these fees.

Response: We will contact the Water and Sewer division.

LANDSCAPE REVIEW

Planting Notations and Details (LDM)

13. Please add a callout for the tree detail stating that root ball dirt must be removed to expose the root flare.

Response: We will comply.

Landscaping Plan Requirements (LDM (2))

14. Item: Existing plant material/Existing woodlands or wetlands (LDM 2.e.(2)). Required: Show location type and size. Label to be saved or removed. Plan shall state if none exists. Proposed: Yes. Meets Code: Yes. Comments: Removals clearly shown. Trees removed are not woodland trees or woodland replacement trees so they don't have to be replaced as such. If possible, please move the access pathway to the parking lot further north of the 12" perimeter tree so it is not negatively impacted by the construction or equipment using the path. It is currently shown as being protected by tree fence.

Response: Noted.

General (Zoning Sec 5.5.3.C.ii)

15. Item: Planting around Fire Hydrant (d). Required: No plantings with matured height greater than 12' within 10 ft. of fire hydrants. Proposed: No. Meets Code: TBD. *Comments: No new or existing plantings are shown near existing hydrants. To assist contractors, please add a note to the plans stating that all trees are to be at least 10 feet from hydrants or utility structures.*

Response: We will comply.

All Categories

16. Item: Perimeter Green Space. Required: 1 Canopy tree per 35 lf. Proposed: NA. *Comments: All existing perimeter trees are to remain. If the 12" elm is negatively impacted by construction, it shall be replaced.*

Response: Noted.

Non-Residential Zoning Sec 5.5.3.E.iii & LDM 1.d (2) – Refer to Planting in ROW, building foundation landscape, parking lot landscaping and LDM

17. Item: Transformers/Utility boxes (LDM 1.3 from 1 through 5). Required: A minimum of 2 ft. separation between box and the plants; Ground cover below 4" is allowed up to the pad; No plant materials within 8 ft. from the doors. Proposed: No transformers are proposed. Meets Code: No. Comments: If a transformer is added, screening shrubs per standard detail are required.

Response: Noted.

Building Foundation Landscape Requirements (Sec 5.5.3.D)

18. Item: Interior site landscaping SF. Required: Equals to entire perimeter of the building x 8 with a minimum width of 4 ft. Base: (185-3*10-2*5) If x 8ft = 1160 SF. Alternate: (215-4*10-2*5) If x 8 = 1320 SF. Proposed: Base: 1210 SF. Alternate: 1380 SF. Meets Code: Yes. *Comments: Landscaping is provided along 3 of 4 sides, with existing lawn to remain on the south side. Two of those sides will be rain gardens. Detailed planting plans for rain gardens and other foundation plantings to be provided on stamping sets.*

Response: Noted, detailed planting plans will be provided by the City of Novi.

Landscape Notes - Utilize City of Novi Standard Notes

19. Item: Irrigation Plan (LDM 2.s.). Required: A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans. Proposed: No. Meets Code: NA. Comments: Please add irrigation plan or information as to how plants will be watered sufficiently for establishment and long-term survival. If xeriscaping is used, please provided information about plantings included.

Response: All plantings will be watered sufficiently for establishment. Xeriscaping will be provided by the City of Novi.

Plant List (LDM 2.h.) – Include All Cost Estimates

20. Item: Type and amount of lawn. Required: Refer to LDM suggested plant list. Proposed: No. Meets Code: No. *Comments: Please add areas of each in cost table.*

Response: We will comply.

21. Item: Cost estimate (LDM 2.t). Required: For all new plantings, mulch and sod as listed on the plan. Proposed: Yes. Meets Code: Yes. *Comments: Foundation plantings will be included with revised final site plans or electronic stamping sets.*

Response: Noted, detailed planting plans to be provided by the City of Novi.

Planting Details/Info (LDM 2.i) – Utilize City of Novi Standard Notes

22. Item: Canopy Deciduous Tree. Required: Refer to LDM for detail drawing. Proposed: Yes. Meets Code: Yes. *Comments: Please add a callout saying that dirt from root ball needs to be removed to expose root flare.*

Response: We will comply.

Other Plant Material Requirements (LDM 3)

23. Item: Plant Sizes for ROW, Woodland replacement and others (LDM 3.c). Required: 2.5" canopy trees; 6' evergreen trees. Proposed: Yes. Meets Code: NA. *Comments: Trees can be 2.5" cal.*

Response: Noted.

TRAFFIC REVIEW

Internal Site Operations

The following comments relate to the on-site design and traffic flow operations.

- 24. General Traffic Flow
 - a. The applicant has indicated that the largest vehicle that will access this building will be a tractor.
 - b. The applicant has placed to R8-3A (no parking) signs adjacent to the building access pathway. The applicant could install arrows or "between signs" plaques to indicate the no parking zone. These may be non-standard plaques.

a. Response: Noted

b. Response: We will consider this request.

- 25. Sidewalk Requirements
 - a. The applicant should provide a width dimension for the 4" concrete sidewalk on the west side of the building.

Response: We will comply.

- 26. All on-site signing and pavement marking shall be in compliance with the Michigan Manual on Uniform Traffic Control Devices (MMUTCD). The following is a discussion of the proposed signing and striping:
 - a. The proposed R8-3A sign is in compliance with City standards.
 - b. The applicant should indicate the sign post details on the plan set.

a. Response: Noted

b. Response: We will comply.

FAÇADE REVIEW

27. It should be noted that all roof top equipment must be screened from view from all vantage points both on-site and off-site using materials in compliance with the Façade Ordinance.

Response: Noted

28. Inspections – The Façade Ordinance requires inspection(s) for all projects. Materials displayed on the approved sample board (in this case the adjacent existing material) will be compared to materials to be installed. It is the applicant's responsibility to request the inspection of each façade material at the appropriate time. Inspections may be requested using the Novi Building Department's Online Inspection Portal with the following link. Please click on "Click here to Request an Inspection" under "Contractors", then click "Façade". http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

Response: Noted

SOLAR PANELS

A solar panel system is proposed for this facility. The proposed solar panels will be mounted parallel to the proposed roof structure. This array will not project vertically above the peak of the roof and will comply with Novi Zoning Ordinance 4.19.2.G.ii.

Prepared by:

NSA Architects, Engineers, Planners

Michael Shuell, RA Senior Project Architect

Cc:

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