

PLANNING COMMISSION JUNE REGULAR MEETING

Council Chambers, 800 1st Terrace, Lansing, KS 66043 Wednesday, June 15, 2022 at 7:00 PM

AGENDA

CALL TO ORDER ROLL CALL / QUORUM ANNOUNCEMENT OLD BUSINESS

1. Approval of Minutes, May 18, 2022, Regular Meeting

NEW BUSINESS

2. Site Plan Case SP-2022-1

The Applicant proposes to construct one building for a new medical office (Dental) use on the site. The building to be constructed with this site plan is a twenty-six-foot-tall single-story structure that is 3,524 sq. ft. The site plan does show the ability to expand this building in the future, as well as a potential additional building in the future to the east of the proposed building.

NOTICES AND COMMUNICATIONS

REPORTS - Commission and Staff Members

- Commission Members
- Director, Community & Economic Development
- Director, Public Works / City Engineer
- Director, Wastewater Utility
- Building Inspector, Community & Economic Development

ADJOURNMENT

For information on how to view prior meetings, please visit our website at https://www.lansingks.org. If you require any special assistance, please notify the Community and Economic Development Director prior to the meeting.



PLANNING COMMISSION MAY REGULAR MEETING

Council Chambers, 800 1st Terrace, Lansing, KS 66043 Wednesday, May 18, 2022 at 7:00 PM

MINUTES

CALL TO ORDER – The regular May meeting of the Lansing Planning Commission was called to order by Chairman Jake Kowalewski at 7:00 p.m.

ROLL CALL / QUORUM ANNOUNCEMENT- In attendance were Chairman Jake Kowalewski, Commissioners Nancy McDougal, Mike Suozzo, Janette Labbee-Holdeman, Richard Hannon and Jerry Gies. Chairman Kowalewski noted that there was a quorum present.

OLD BUSINESS -

1. Approval of Minutes, April 20, 2022, Regular Meeting

Motion was made by Commissioner Labbe-Holdeman to approve the minutes as written and was seconded by Commissioner Suozzo. Commissioner McDougal abstained. Motioned passed 6-0.

NEW BUSINESS -

2. Site Plan Case SP-2022-1

The Applicant proposes to construct one building that contains two units and four buildings which contain three units for a new townhome development on the site. The buildings are all two-story and range from 1,152 sq. ft. footprint for the two unit building to 1,728 sq. ft. footprint for the three-unit building. Total square footage of each unit will be approximately 1,152 sq. ft.

Commissioner Labbe-Holdeman asked if they are townhomes or apartments, and Mr. Schmitz confirmed that they have a townhome format. Commissioner Labbe-Holdeman then asked if it will be considered affordable housing. Mr. Jeremy Greenamyre with Greenamyre Rentals stated that they are being built to fill a gap, ranging from \$700-\$1500/ month, and that they are doing their best to make them affordable. Commissioner Kowalewski asked about the previous time it came to the planning commission and Mr. Schmitz stated that it was a completely different issue, and that it was a rezoning and different location.

Commissioner Suozzo made a motion to approve, with the conditions outlined on the staff report. Commissioner Hannon seconded it. Motion passed 6-0.

NOTICES AND COMMUNICATIONS - None

REPORTS: Commission and Staff Members - None

ADJOURNMENT – Commissioner Labbe-Holdeman made a motion to adjourn, and it was seconded by Commissioner McDougal. Meeting was adjourned by acclamation at 7:06 pm.

Respectfully submitted,

Melissa Baker, Secretary

Reviewed by,

Matthew R. Schmitz, MPA - Director, Community and Economic Development

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Planning Commission Staff Report June 15, 2022

Site Plan Case SP-2022-2 Primus Dental 670 1st Terrace

Project Facts

Applicant

Primus Companies

Address

670 1st Ter.

Property ID

099-30-0-20-05-004.02-0

Zoning

B-2 General Business District

Future Land Use

Commercial

Land

54,337.47 SF (1.25 acres)

Building

Existing: 0 SF

Proposed: 3,524 SF Total

Requested Approvals

Site Plan



Project Summary

The Applicant proposes to construct one building for a new medical office (Dental) use on the site. The building to be constructed with this site plan is a twenty-six-foot-tall single-story structure that is 3,524 sq. ft. The site plan does show the ability to expand this building in the future, as well as a potential additional building in the future to the east of the proposed building.

This is an existing green field site, and no buildings currently exist on the property. The plan includes the site work, landscaping, parking lot improvements, building construction and other appurtenances to the project. Approval of this Site Plan would authorize staff to issue a building permit for the project upon completion of review for compliance with building codes, subject to any conditions added during the approval process at the Planning Commission meeting.

Building elevations are included below, and an overall site plan is attached to this report.

Summary of Open Items

Staff identified the following open items that require further discussion at the Planning Commission meeting. Please see the remainder of this report for more information on each open item.

Community & Economic Development Department

1. Outstanding items from the Site Plan Review are noted in the body of the report below.

Public Works Department & City Engineer

1. Stormwater items as noted in body of report below.

Wastewater Department

1. Wastewater items as noted in body of report below.

Open Items - Community & Economic Development Department

Site Plan Application items

The Community & Economic Development Director has reviewed the site plan for conformance with the site plan requirements as outlined in the Unified Development Ordinance (UDO), as well as the Site Plan Application, and found the following items of concern:

The Director reviewed this site plan application for the following:

- 1. In general, any site plan in compliance with all requirements of this code shall be approved.
 - See comments below.
- 2. In making a determination of compliance, or for site plans accompanying any discretionary review or administrative relief, the review body shall consider whether:
 - The site is capable of accommodating the buildings, proposed use, access, and other site design
 elements required by the code and will not negatively impact the function and design of rights-of-way or
 adjacent property.
 - The site appears to be capable of accommodating the proposed development based on the Unified Development Code. An official review of building feasibility regarding drainage and grading plans will be conducted by the Public Works Department during the review of construction documents.
 - The design and arrangement of buildings and open spaces is consistent with good planning, landscape design and site engineering principles and practices.
 - The Site Plan shows a phased pad-site development that will eventually include a second building closer to the street, screening a portion of the parking facilities from the public realm. The Landscape plan demonstrates good practices and provides street trees along the sidewalk. The proposed Site Plan does not show a completed internal sidewalk network. Per 7.02-C:
 - Generally. Development sites shall include direct sidewalk connections and circulation at the same or greater frequency as provided by vehicles. Sidewalks connect public entrances and sites, in the most direct manner possible, with the following:
 - a. Sidewalks in the public streetscape or along internal access streets.
 - b. Parking areas, and any walkways or crosswalks within the parking areas
 - c. Any civic open space designed for active use.
 - d. Adjacent sites, where pedestrian connections through public streetscapes or internal access is remote.
 - It should be noted that the proposed first phase of development does not complete the internal sidewalk network, so the Dental Office will not be fully accessible from the sidewalk until the second phase is completed. When the second phase is completed, the internal sidewalk should be directly connected to the public sidewalk to the east.

- The architecture and building design use quality materials and the style is appropriate for the context considering the proportion, massing, and scale of different elements of the building.
 - The proposed architectural style and building materials appear to be appropriate for the site, which is located in the broader context of retail/office pad sites along Main Street (K-7). The preliminary drawings appear to fulfill the standards outlined in Article 5.03 Commercial Design Standards.
- The overall design is compatible to the context considering the location and relationships of other buildings, open spaces, natural features, or site design elements.
 - The proposed development is the second recent project in this area, the first being MSA to the north. The proposed project appears to be compatible with this previous project and the existing building to the south.
- Whether any additional site-specific conditions are necessary to meet the intent and design objectives
 of any of the applicable development standards.
 - No additional conditions are necessary at this time.
- 2. The application meets the criteria for all other reviews needed to build the project as proposed.
 - Official review is underway by other appropriate City Departments, including Public Works and Wastewater. Fulfillment of all criteria as outlined in the UDO will be required before a building permit can be issued for this project.
- 3. The recommendations of professional staff.
 - Staff recommends approval of this site development plan.

Open Items - Public Works Department

Site Plan Application items

The Public Works Director / City Engineer has reviewed the site plan for conformance with City requirements and found items of discussion as shown on the attached marked up Site Plan. Compliance with the City's no net increase policy is not applicable to this project due to a regional detention basin that exists to the east behind the residential subdivision, which was constructed to provide drainage for the entirety of this area.

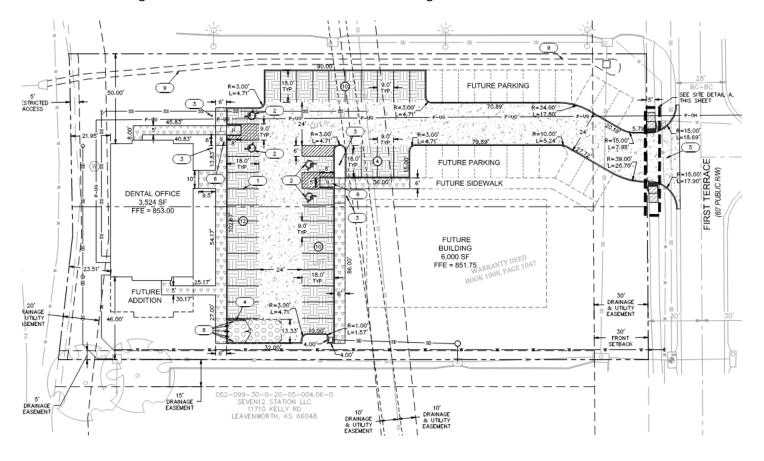
Open Items - Wastewater Department

Site Plan Application items

The Wastewater Director has reviewed the site plan for conformance with City requirements and found items of discussion as shown on the attached marked up Site Plan. There is a section of existing sewer line that runs under where the proposed future building will be located which will need to be relocated at some point.

Building Site Plan

Below is the building Site Plan that shows the location of the buildings on the lot:



Building Elevations

Below are the building elevations:

1,086 S.F.	100%	TOTAL AREA
249 S.F.	23%	GLASS
227 S.F.	21%	MASONRY
590 S.F.	54%	EIFS
20 S.F.	2%	NICHIHA

CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES APPLIED MASONRY VENEER EXTERIOR INSULATION FINISH SYSTEM CEMENTITIOUS PANEL (WOOD LOOK)



EAST ELEVATION NO SCALE

NOTE:
THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE
REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE
MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY
THE LOCAL JURISDICTION.

LALUMINUM FRAMED WINDOWS

CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES APPLIED MASONRY VENEER EXTERIOR INSULATION FINISH SYSTEM CEMENTITIOUS PANEL (WOOD LOOK)



NORTH ELEVATION

NOTE:
THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE
REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
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L_{ALUMINUM} FRAMED WINDOWS

CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES

APPLIED MASONRY VENEER EXTERIOR INSULATION FINISH SYSTEM

CEMENTITIOUS PANEL (WOOD LOOK)

1,398 S.F.	100%	TOTAL AREA
150 S.F.	11%	GLASS
270 S.F.	19%	MASONRY
929 S.F.	68%	EIFS
49 S.F.	2%	NICHIHA

CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES APPLIED MASONRY VENEER EXTERIOR INSULATION FINISH SYSTEM CEMENTITIOUS PANEL (WOOD LOOK)



WEST ELEVATION NO SCALE

NOTE:
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REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
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ALUMINUM FRAMED



SOUTH ELEVATION

LALUMINUM FRAMED WINDOWS

NOTE:
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REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE
MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY
THE LOCAL JURISDICTION.

Acknowledgments

The following City of Lansing staff members reviewed this project and provided information for this report:

- Matthew R. Schmitz, MPA Director, Community & Economic Development
- Michael Spickelmier, P.E Director, Public Works / City Engineer
- Anthony Zell, Jr., MBA Director, Wastewater
- Abby Kinney Planning Consultant, Gould Evans

Notice of City Codes

The Applicant is subject to all applicable City codes within the Municipal Code – whether specifically stated in this report or not – including, but not limited to, Zoning, Buildings and Construction, Subdivisions, and Sign Code. The Applicant is also subject to all applicable Federal, State, and local laws.

Recommendation

Staff recommends approval of Project # SP-2022-02, Site Plan for Primus Dental, subject to the following conditions:

- 1. Outstanding items listed in this Staff Report from Department Heads must be addressed; and
- 2. All plans must be resubmitted with corrections as shown in this staff report and accompanying markups.

List of Reviewed Plans

Sheet #	Title	Submitted By	Date on Document
C0.0	Cover Sheet – Site Plan	OLS	05.13.2022
C1.0	Existing Conditions and Demolition Plan – Site Plan	OLS	05.13.2022
C2.0	Site Plan – Site Plan	OLS	05.13.2022
C3.0	Grading Plan – Site Plan	OLS	05.13.2022
C3.1	Grading Details – Site Plan	OLS	05.13.2022
C4.0	Utility Plan – Site Plan	OLS	05.13.2022
C5.0	Vehicle Access Plan – Site Plan	OLS	05.13.2022
C6.0	Erosion Control Plan – Site Plan	OLS	05.13.2022
C7.0	Construction Details – Site Plan	OLS	05.13.2022
L1.0	Landscape Plan – Site Plan	OLS	05.13.2022
L2.0	Landscape Details & Notes – Site Plan	OLS	05.13.2022
PH-1	Site Photometric Plan	BCE	05.13.2022
AC001	Color Elevations	PRI	04.28.2022
AC002	Color Elevations	PRI	04.28.2022

OLS Olsson, Inc.

BCE BC Engineers Incorporated PRI Primus Companies, Inc.



Date: 05/16/2022

Дp	plica	nt /	Own	er

Applicant Name: Primus Companies Address: 401 8th Ave. SE

City, State, Zip: Cedar Rapids, IA 52403

Phone: 319-361-5424

Email: thad@primus-companies.com

Owner Name: GREENAMYRE RENTALS

INC

Address: 2500 S 2ND ST

LEAVENWORTH, KS 66048-

4542

City, State, Zip: LEAVENWORTH, KANSAS

66048

Phone: Email:

Architect

Name: Olsson Contact: Brad Freeman Address: 1717 Ingersoll Ave. Suite 111 Phone: 515-867-2755

City, State, Zip: Des Moines, IA 50309 Email: bfreeman@olsson.com

Project

Site Address: 670 1ST TER., LANSING, KS Project Name: Primus Dental

66043 Proposed Use: Medical Office

City, State, Zip: LANSING, KANSAS 66043 Property Size: 1.26

Parcel: 052-099-30-0-20-05-004.02-0 Proposed Zoning: B-2 General Business District

Current Zoning: B-2 General Business District

Legal: RICHARD BESEL GREENAMYRE, S30, T09, R23E, Lot 7 - 8, ACRES 1.25 Plat Book/Page 13 /36 Lot

Width: 328.8 Lot Depth: 328.1 Deed Book/Page 1008/1047

Project Description:

I do hereby certify that the information contained herein is true and correct.

______ Thad Harker _____ 05-16-2022 ____ Name Date

SITE PLAN **FOR** PRIMUS DENTAL

1ST ST TERRACE LANSING, LEAVENWORTH COUNTY, KANSAS

SITE LOCATION MAP

SCALE: 1"=500"

PROJECT TEAM & UTILITY CONTACT LIST WATER LAN-DEL WATER DISTRICT <u>OWNER</u> TIMOTHY FILLIMAN, DDS P.O. BOX 227 842 N MAIN STREET LANSING, KS 66043 LANSING. KS 66043 PH: (913)727.3350 PH: (913)682.5615 SANITARY SEWER CITY OF LANSING <u>ARCHITECT</u> 800 1ST TERRACE PRIMUS COMPANIES 913-727-2206 DANSING, KS 6604 401 8TH AVENUE SE PH: (913)727.2487 ***** CEDAR RAPIDS IOWA, 52401 لللللا PH: (319)853.1241 STORM SEWER CITY OF LANSING PUBLIC WORKS 730 1ST TERRACE SUITE 3 OLSSON, INC. LANSING, KS 66043 1717 INGERSOLL AVENUE SUITE 111 | PH: (913)727.2400 DES MOINES, IA 50309 PH: (515)331.6517 KANSAS GAS SERVICE 2720 2ND AVE LEAVENWORTH, KS 66048 PH: (515)252.6632 <u>SURVEYOR</u> POWELL CWM, INC. 3200 S. STATE ROUTE 291, BLDG. INDEPENDENCE, MO 64057 PH: (816)373.4800 PH: (888)471.5275

LEGAL DESCRIPTION:

(TITLE COMMITMENT DATED MARCH 25, 2022 BY CHICAGO TITLE INSURANCE COMPANY FILE NO.: TX0016703) LOTS 7 AND 8, RICHARD BESEL GREENAMYRE SUBDIVISION, CITY OF LANSING, LEAVENWORTH COUNTY,

REFERENCE BEARING:

BEARINGS SHOWN HEREON ARE BASED ON THE NORTH LINE OF LOT 8, RICHARD BESEL GREENAMYRE SUBDIVISION, A SUBDIVISION IN TH CITY OF LANSING, LEAVENWORTH COUNTY, KANSAS. NORTH 90°00'00" EAST

BENCHMARK

CENTER OF STORM SEWER MANHOLE LID ON CURB INLET AT SOUTHEAST CORNER OF PROPERTY. ELEVATION=839.74

> AND EQUIPMENT (SECURED OR UNSECURED) WILL BE SOLELY AT THE CONTRACTOR'S EXPENSE. 15. TEMPORARY POWER, TELEPHONE, AND WATER FOR THE SITE IS THE CONTRACTOR'S RESPONSIBILITY UNLESS OTHERWISE

SPECIFIED.

CHOICE.

16. CONTRACTOR SHALL REFER TO OTHER DRAWINGS ISSUED BY ARCHITECT, STRUCTURAL, ELECTRICAL, AND MECHANICAL ENGINEERS. ENSURE COORDINATION OF EXACT LOCATION AND DIMENSIONS OF BUILDINGS, EXITS, RAMPS, UTILITY ENTRANCE LOCATIONS AND GRADES AROUND THE BUILDING. IMMEDIATELY NOTIFY ENGINEER AND ARCHITECT OF ANY DISCREPANCIES.

17. THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL NECESSARY TO COMPLETE THE WORK. ALL TRAFFIC CONTROL DEVICES AND METHODS OF CONTROLLING TRAFFIC THROUGH CONSTRUCTION ZONES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD, AND ALL REVISIONS THERETO INCLUDING LOCAL AND STATE SUPPLEMENTS. ADDITIONAL WORK IN THE RIGHT-OF-WAY OR TRAFFIC CONTROL PERMITS MAY BE NECESSARY AND SHALL BE THE CONTRACTOR'S

18. IF UNANTICIPATED HAZARDOUS MATERIALS OF ANY KIND ARE ENCOUNTERED IN THE WORK, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL CONSTRUCTION OPERATIONS AND NOTIFY THE OWNER AND/OR OWNER'S REPRESENTATIVE FOR FURTHER DIRECTION.

19. ALL DEBRIS RESULTING FROM CONSTRUCTION AND DEMOLITION SHALL BE HAULED OFF SITE AND DISPOSED OF PROPERLY

AND LEGALLY. 20. DURING DEMOLITION OPERATIONS, THE CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES USING MEANS OF THEIR

21. THE CONTRACTOR SHALL CONTINUOUSLY PROVIDE ADEQUATE STORMWATER MANAGEMENT IN ACCORDANCE WITH THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND CONSTRUCTION STORMWATER PERMIT. THE CONTRACTOR(S) MUST ADHERE TO GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES AT ALL TIMES. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES FOCUS ON KEEPING THE WORK SITE CLEAN AND ORDERLY WHILE HANDLING MATERIALS AND WASTE IN A MATER THAT ELIMINATES THE POTENTIAL FOR POLLUTANT RUNOFF.

22. IN ORDER TO ATTAIN FINAL CERTIFICATION OF OCCUPANCY APPROVAL, DOCUMENTATION WILL BE REQUIRED FROM THE GENERAL CONTRACTOR VIA THE GRADING CONTRACTOR/SOIL EROSION CONTROL CONTRACTOR/OR THE PROJECT CIVIL ENGINEER THAT THE PROJECT MEETS THE CURRENT TOPSOIL PRESERVATION REQUIREMENTS OF THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT (KDHE).

23. AT LEAST ONE WEEK PRIOR TO ANY CONSTRUCTION WITHIN PUBLIC RIGHT R.O.W./EASEMENTS AND/OR ANY CONNECTION TO PUBLIC SEWERS AND STREETS, THE CONTRACTOR SHALL CONTACT THE CITY OF LANSING TO SCHEDULE ANY REQUIRED INSPECTIONS. IT IS IMPORTANT TO NOTE CITY APPROVAL OF THIS PLAN IS SUBJECT TO THE APPLICANT OBTAINING ALL NECESSARY EASEMENTS/AGREEMENTS AND APPLICABLE PERMITS.

24. ANY CHANGES TO THE PLANS SHALL BE APPROVED IN WRITING BY THE CITY OF LANSING. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES MADE WITHOUT CITY APPROVAL

25. THE CONTRACTOR SHALL PROTECT STORM SEWERS AND DRAINAGE WAYS FROM ALLOWING CONCRETE SLURRY FROM

CONCRETE OPERATIONS TO DISCHARGE OFFSITE.

26. APPROVED ACCESS WITHIN 100-FEET OF ALL SIDES OF THE BUILDING SHALL BE PROVIDED AS SOON AS CONSTRUCTION OF THE BUILDING STARTS. THE APPARATUS ROAD SHALL COMPLY WITH THE REQUIREMENTS OF THE ADAPTED IFC SECTION n502.2 AND SHALL EXTEND TO WITHIN 100-FEET OF ALL EXTERIOR WALLS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING.

27. A LIMITED TRAFFIC IMPACT STUDY IS ANTICIPATED FOR THE PROJECT; A TRAFFIC IMPACT STUDY SHALL BE COMPLETED BY THE DEVELOPERS ENGINEER AND APPROVED BY THE CITY OF LANSING BEFORE A VERTICAL BUILDING PERMIT WILL BE ISSUED. IF PUBLIC IMPROVEMENTS ARE REQUIRED FROM THE APPROVED TRAFFIC IMPACT STUDY THEN THE PUBLIC IMPROVEMENTS SHALL BE COMPLETED BY THE DEVELOPER'S CONTRACTOR AND ACCEPTED BY THE CITY OF LANSING BEFORE A TCO OR CO IS ISSUED FOR THIS PROJECT.

Sheet List Table
Sheet Title
COVER SHEET
EXISTING CONDITIONS AND DEMOLITION PLA
SITE PLAN
GRADING PLAN
GRADING DETAILS
UTILITY PLAN
VEHICLE ACCESS PLAN
EROSION CONTROL PLAN
CONSTRUCTION DETAILS
LANDSCAPE PLAN
LANDSCAPE DETAILS & NOTES
SITE PHOTOMETRIC PLAN

SITE DATA					
OSED USE	DENTAL/OFFICE				
ED LOT SIZE	±1.26 ACRES ±54,697 SF				
NG HEIGHT	±26'-0"				
1 STALL PER 10	00 SF OF BUILDING				
TOTAL	36 STALLS				
ADA	2 STALLS				
STANDARD	32 STALLS				
ADA	4 STALLS				
TOTAL	36 STALLS				
DING AREA	3,524 SF				
PAVEMENT/PARKING/SIDEWALK AREA					
TOTAL IMPERVIOUS AREA					
ERVIOUS AREA	33,462 SF (61.18%)				
	OSED USE ED LOT SIZE NG HEIGHT 1 STALL PER 10 TOTAL ADA STANDARD ADA TOTAL OING AREA KING/SIDEWALK AREA PERVIOUS AREA				

COMPREHENSIVE / ZONING INFORMATION

ZONING: B-2 (GENERAL BUSINESS DISTRICT)				
ZUNING. B-2 (GENERAL BUSINESS DISTRICT)				
COMPREHENSIVE E	XISTING - B-2 GENERAL BUSINESS DISTRICT			
Р	ROPOSED - B-2 GENERAL BUSINESS DISTRICT			
FRONT YARD SETBACK	10'-30'			
SIDE YARD SETBACK	0'			
REAR YARD SETBACK	NONE			
MAXIMUM HEIGHT (STORIE	(S) 45' (3 STORIES)			

REVIEWED BY:

CIVIL ENGINEER

KS#26664

CITY OF LANSING DATE

Reviewed By PW

06/06/2022 9:30:49 AM By mspickelmier

06/06/2022 11:28:39 AM By T Zell

Reviewed By WW Dept

Reviewed By CED 06/09/2022 2:48:38 PM

By mschmitz

QA/QC by: project no.: 022-02457 drawing no.: C_TTL01_0220245 05.13.202

SHEET

PRIMUS 1ST ST

SHEET C0.0

ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL APPLICABLE LAWS AND REGULATIONS. ALL WORK AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE CITY OF LANSING

TECHNICAL SPECIFICATIONS, PLANS AND DETAILS SHOWN HEREIN, AND THE CITY OF LANSING DESIGN CRITERIA, LATEST EDITION. IN THE CASE OF A CONFLICT BETWEEN VARYING SPECIFICATIONS, THE MOST STRINGENT SHALL APPLY. THE CONTRACTOR SHALL HAVE IN HIS POSSESSION AT ALL TIMES ONE (1) SIGNED COPY OF THE PLANS, STANDARDS, AND SPECIFICATIONS AS APPROVED BY THE APPROPRIATE GOVERNING AGENCY AND OWNER. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THESE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER, ENGINEER, AND

GOVERNING AGENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL JOB SITE SAFETY ON THE PROJECT. THIS SHALL INCLUDE THE SAFETY OF HIS OWN PERSONNEL, SUBCONTRACTORS, ALL VISITORS TO THE SITE, AND THE GENERAL PUBLIC. ALL JOB SITE SAFETY SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, AND ENSURE COMPLIANCE

INCLUDING, BUT NOT LIMITED TO, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS. THE CONTRACTOR SHALL CONTACT KANSAS ONE-CALL AT #811 OR 800-344-7233 A MINIMUM OF 48 HOURS (EXCLUDING WEEKENDS AND HOLIDAYS) IN ADVANCE OF ANY EXCAVATION.

THE LOCATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THE PLANS ARE APPROXIMATE AND HAVE BEEN SHOWN FROM AVAILABLE SURVEYS AND/OR RECORDS. THERE MAY BE ADDITIONAL UTILITIES PRESENT, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE, EXACT LOCATION/SIZE, ADEQUATELY PROTECT/SUPPORT, AND TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL INCLUDE, AT NO ADDITIONAL COST, ANY POTHOLING OR EXPLORATORY EXCAVATIONS NECESSARY TO LOCATE EXISTING UTILITIES. UTILITIES SHALL BE LOCATED SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO ACTUAL LOCATION OF EXISTING FACILITIES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE GOVERNING

AGENCY AND/OR THE UTILITY OWNER. ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE INDICATED IN THE PLANS, AND SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES

SHOWN IN THE PLANS AND/OR SPECIFICATIONS. DO NOT SCALE DRAWINGS - USE ONLY DIMENSIONS PROVIDED ON THESE ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES, AND SHALL PROVIDE ALL WORK AND MATERIALS NECESSARY TO

CONSTRUCT THE PROJECT IN ITS ENTIRETY. 10. CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND THOSE IMPROVEMENTS THAT ARE OUTSIDE THE LIMITS OF THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE THERETO AND SHALL PROVIDE TEMPORARY FENCING, BARRICADES, SUPPORTS, RESTRAINTS, AND /OR BRACING WHERE

REPLACED TO EQUAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE. ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE OWNER'S PROPERTY, PUBLIC RIGHT—OF—WAY, PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.

REQUIRED TO PROTECT EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED AND/OR

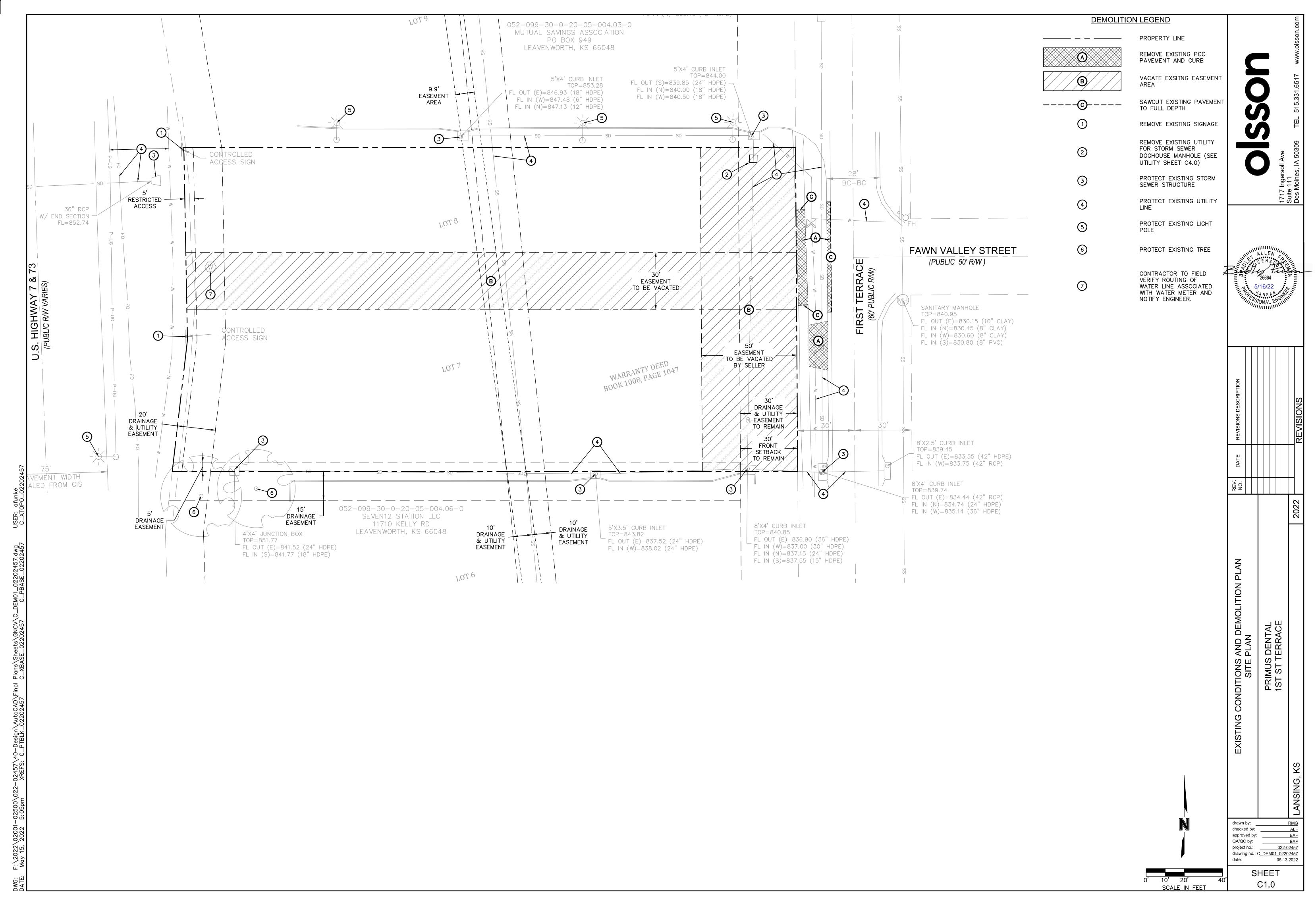
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NOT OBTAINED BY THE OWNER OR OWNER'S REPRESENTATIVES, AND PAY ALL FEES AS REQUIRED BY THE CONSTRUCTION COVERED IN THESE PLANS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE GOVERNING AGENCIES AND LOCAL FIRE DEPARTMENT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS/FIRE SUPPRESSION TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

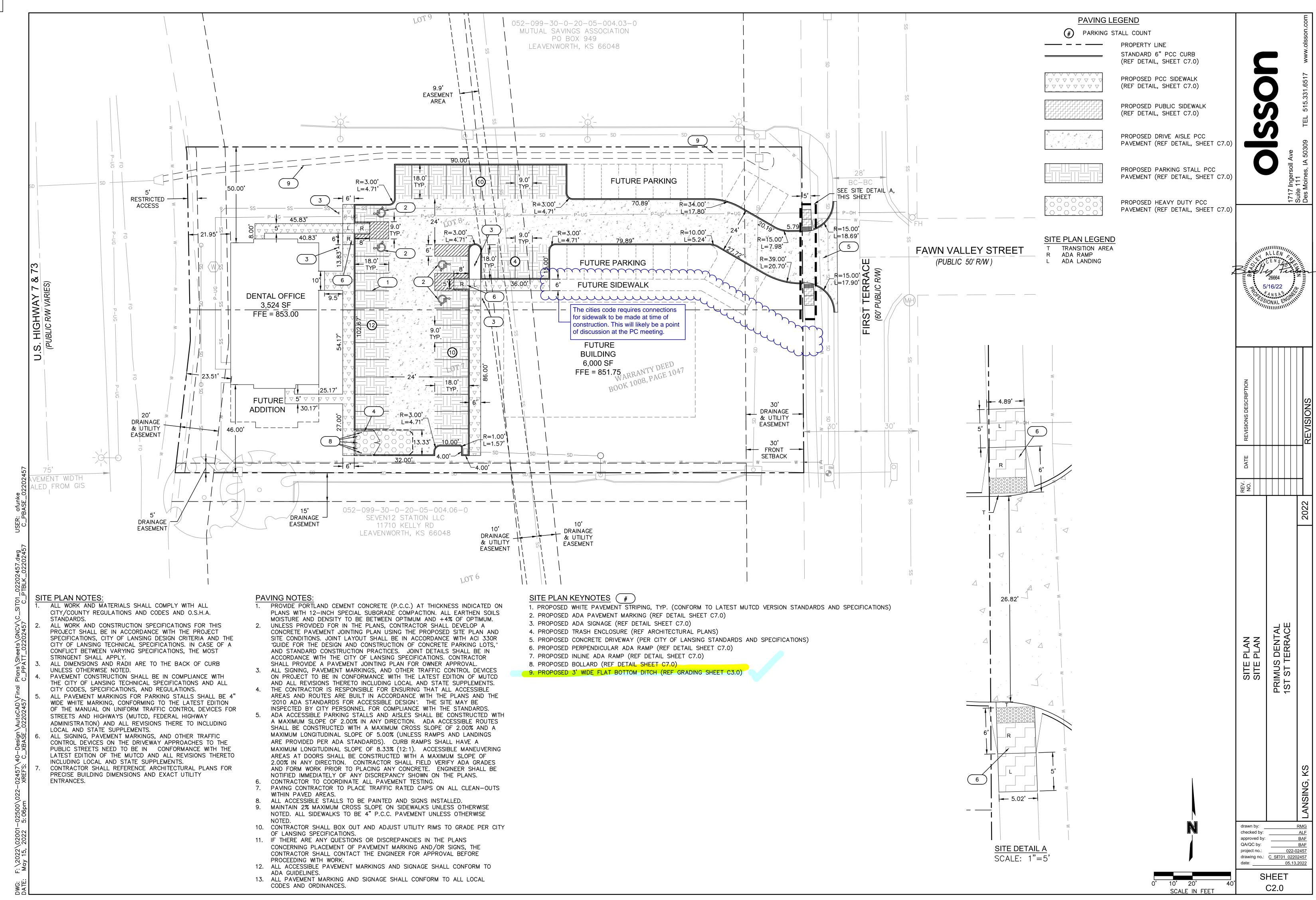
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SECURITY AND SHALL PROPERLY PROTECT AND BARRICADE THE

CONSTRUCTION SITE UNTIL CONSTRUCTION IS COMPLETE. STORAGE, LOSS DUE TO THEFT, OR VANDALISM OF MATERIALS - Page 12 -

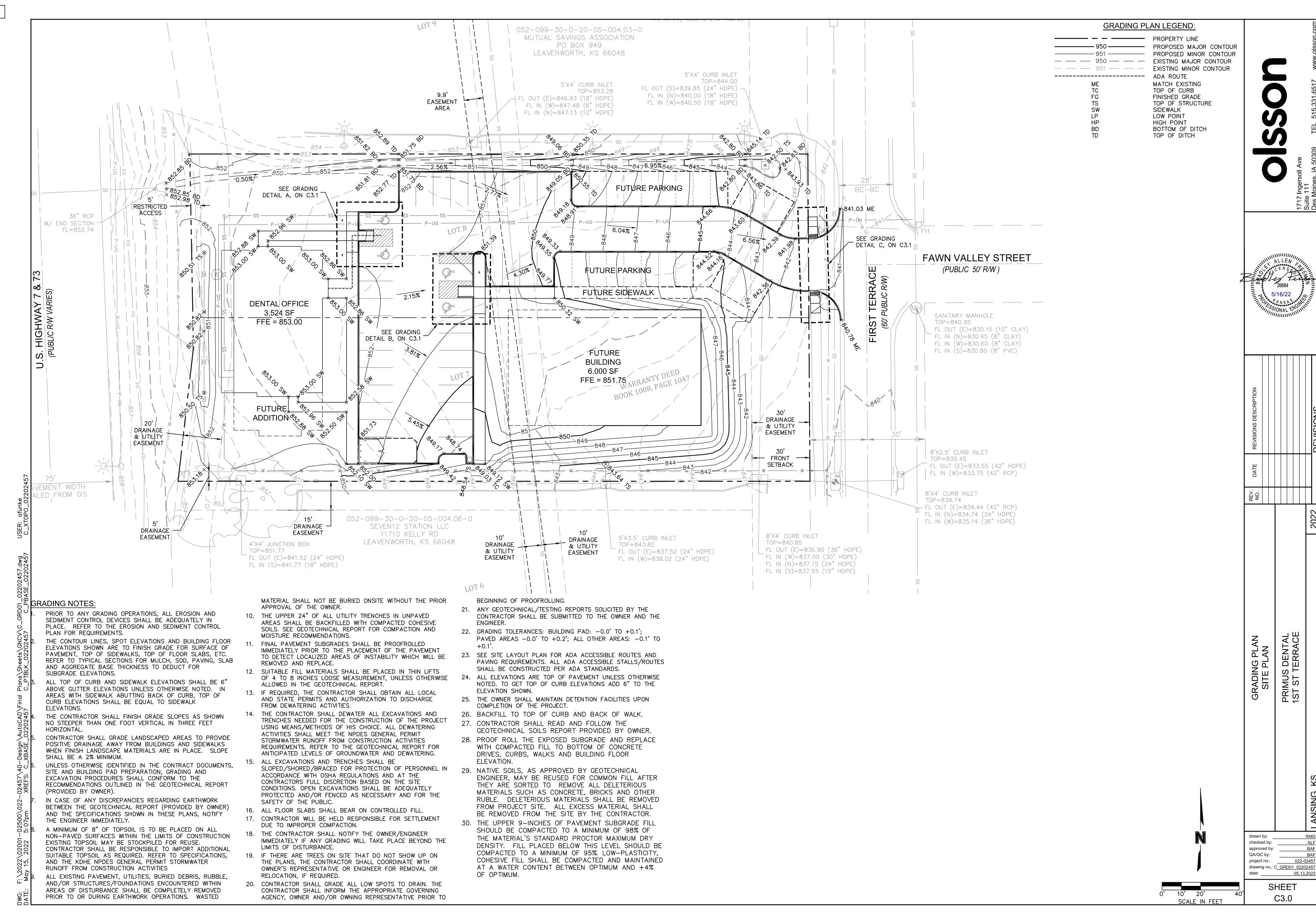
Agenda Item 2.



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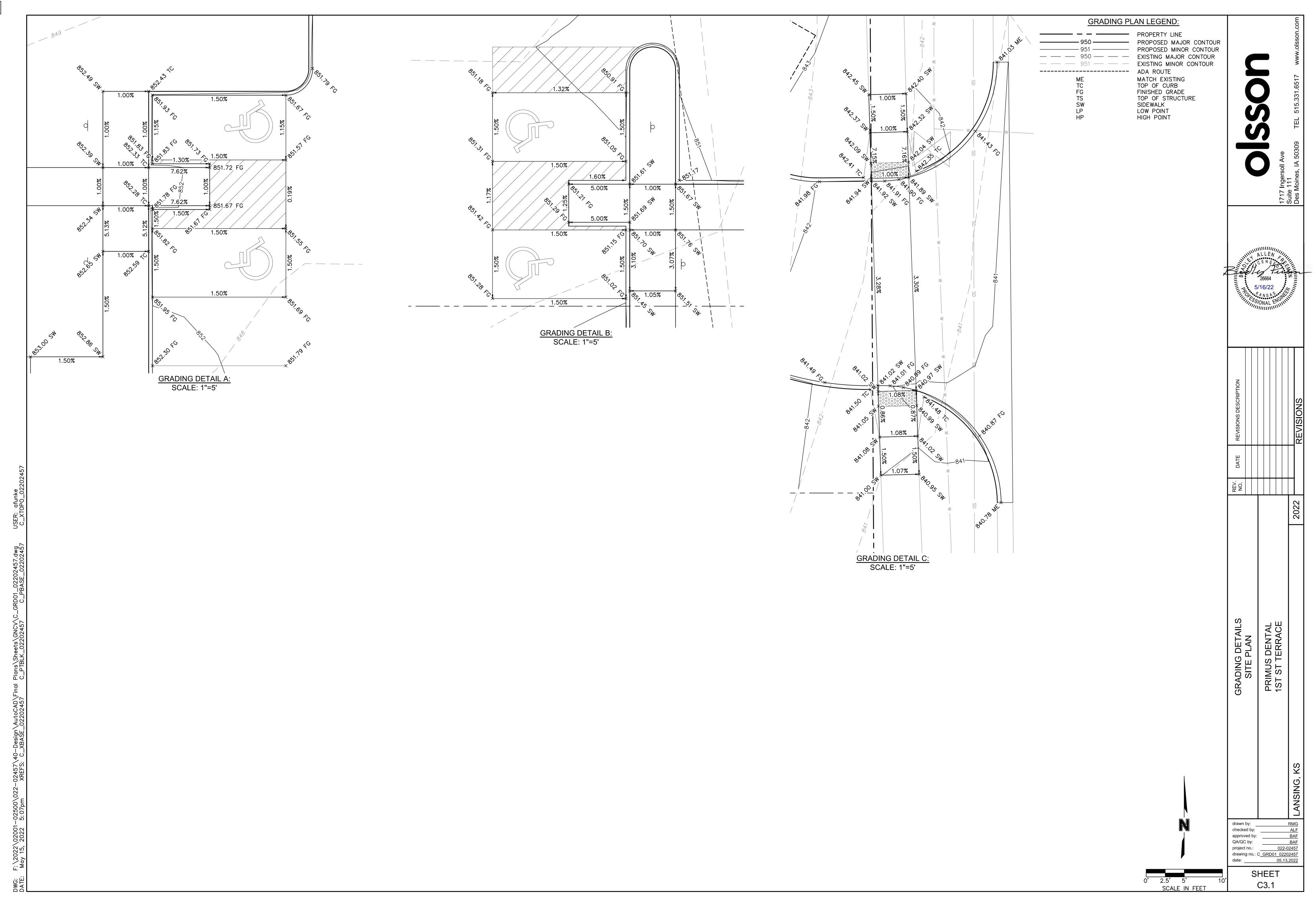


- Page 14 -



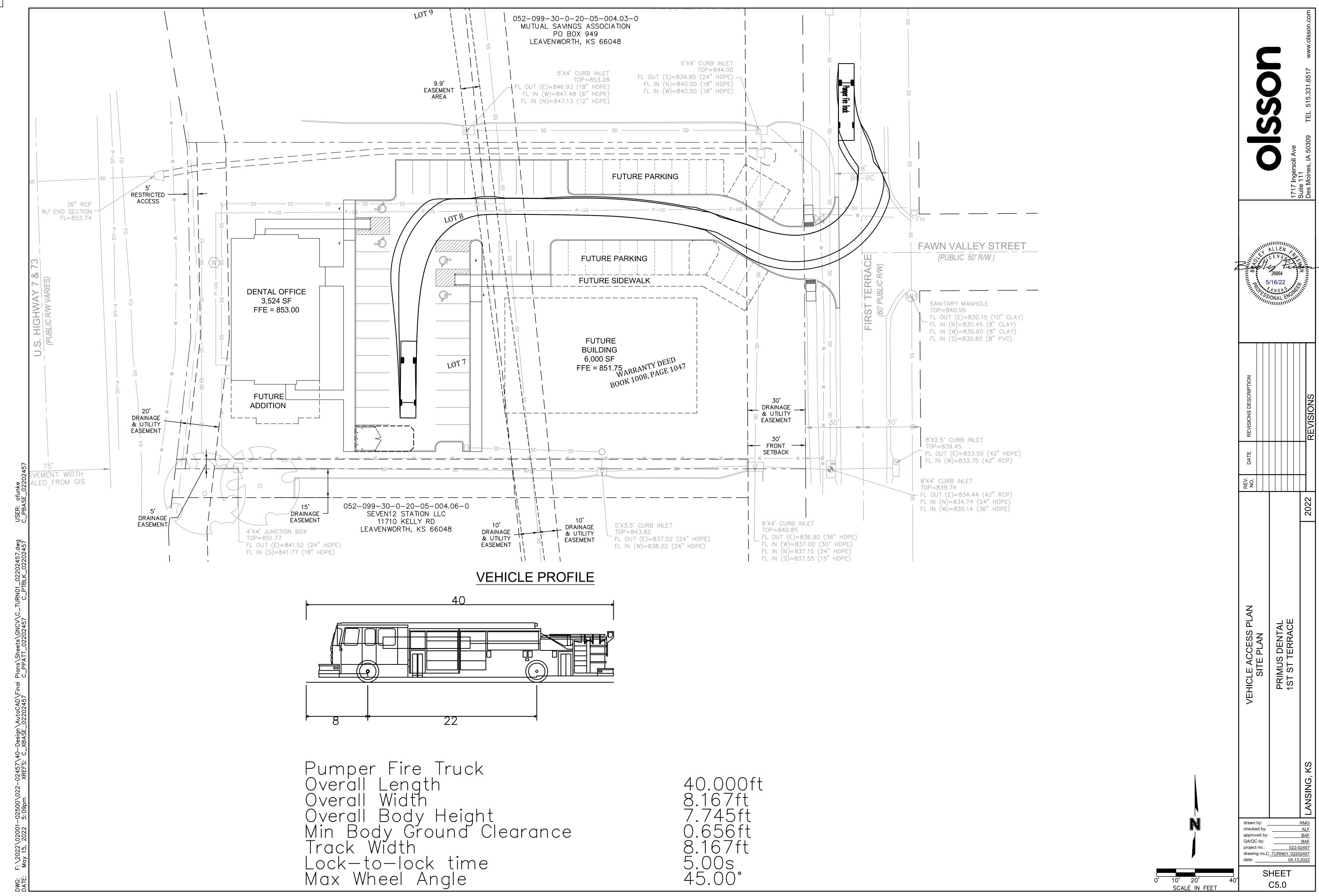
- Page 15 -

Agenda Item 2.



- Page 16 -

Agenda Item 2.



022-02457

05.13.2022

SHEET

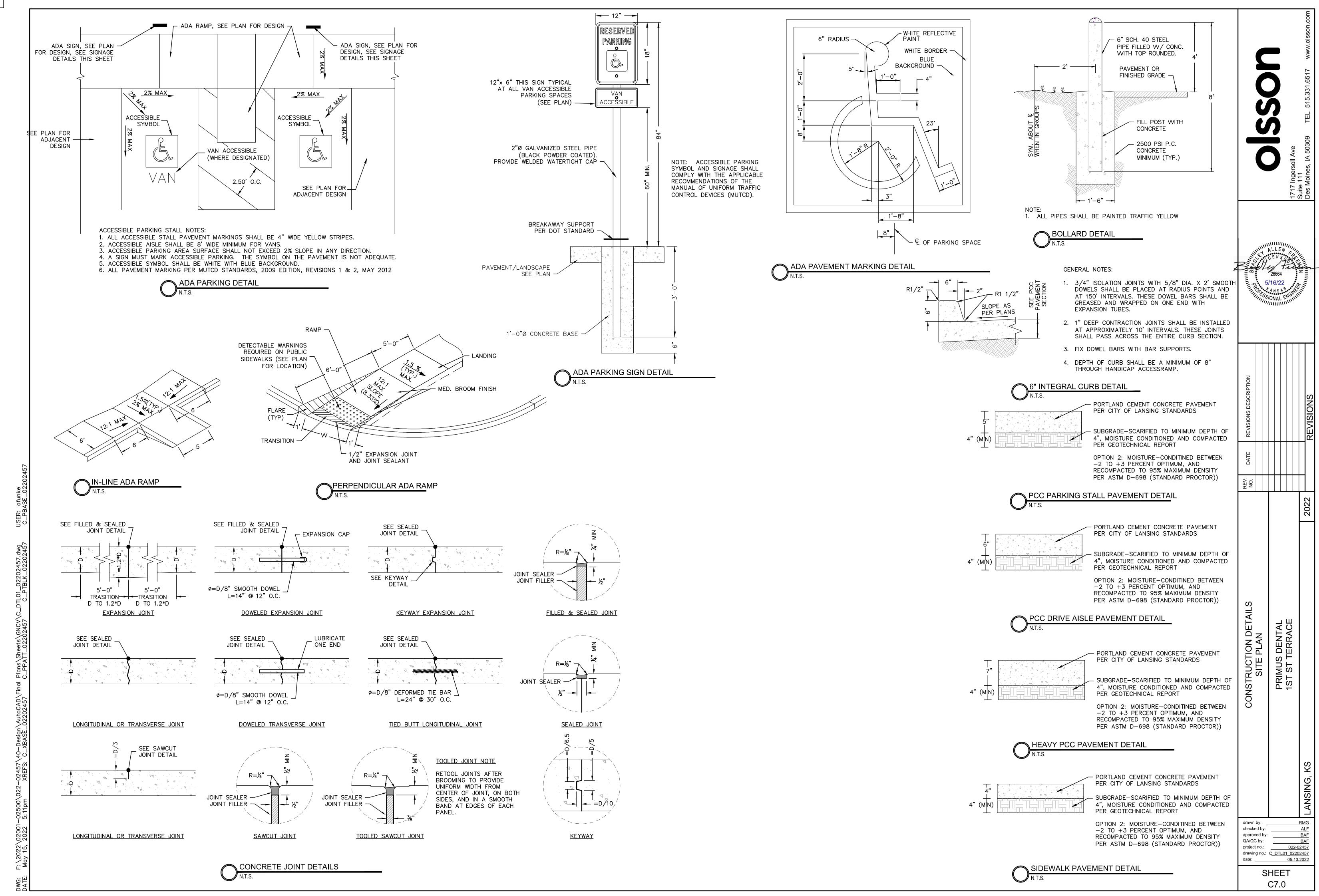
SCALE IN FEET

C6.0

- Page 19 -

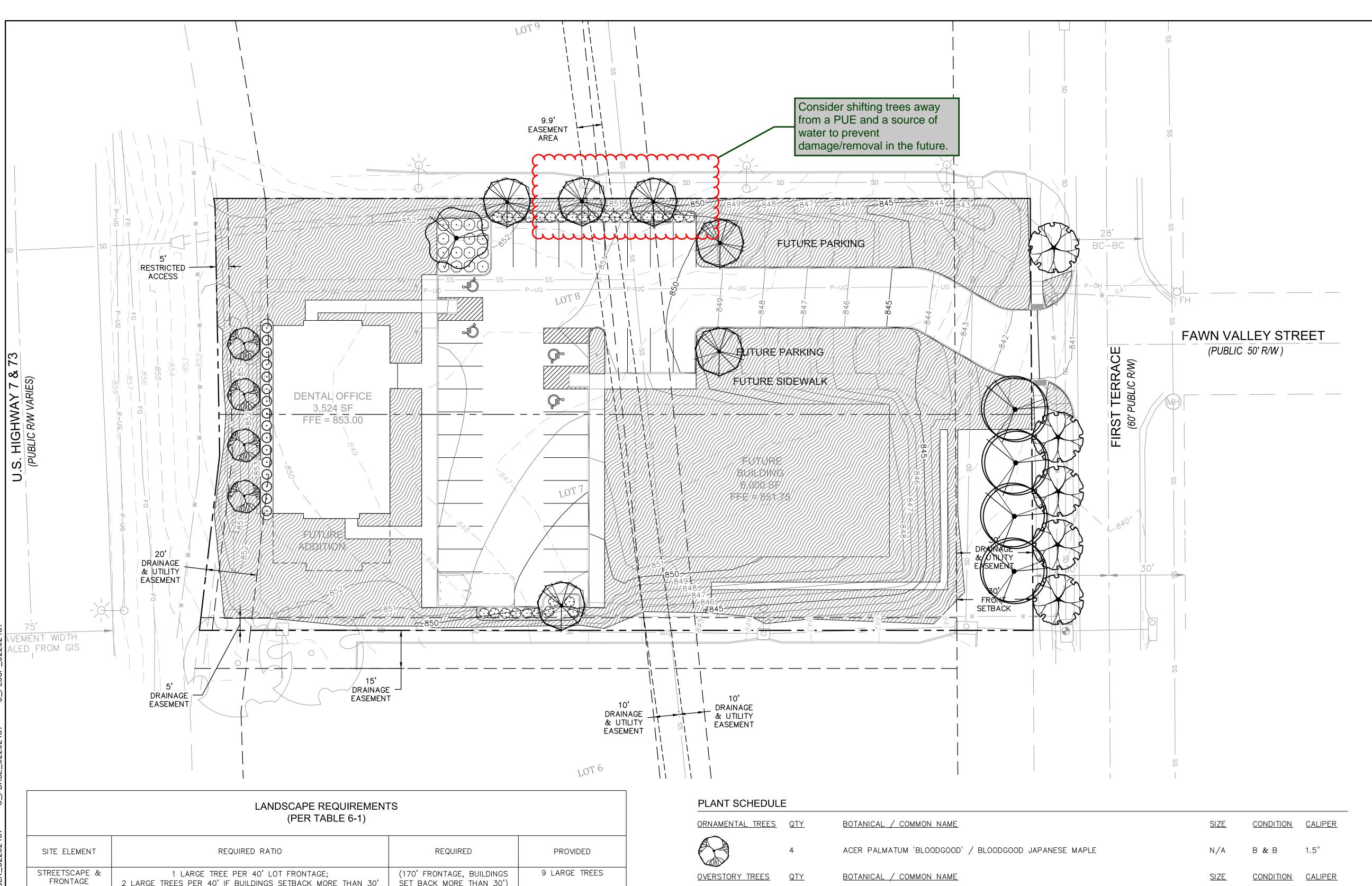
COMPACTION REQUIREMENTS.

10. THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING SEDIMENT, CONSTRUCTION DEBRIS,



- Page 20 -

Agenda Item 2.



LANDSCAPE REQUIREMENTS (PER TABLE 6-1)						
SITE ELEMENT	REQUIRED RATIO	REQUIRED	PROVIDED			
STREETSCAPE & FRONTAGE	1 LARGE TREE PER 40' LOT FRONTAGE; 2 LARGE TREES PER 40' IF BUILDINGS SETBACK MORE THAN 30'	(170' FRONTAGE, BUILDINGS SET BACK MORE THAN 30') 9 LARGE TREES	9 LARGE TREES			
FOUNDATION	1 ORNAMENTAL TREE PER 25' OF BUILDING FRONTAGE	(78' FRONTAGE) 4 ORNAMENTAL TREES	4 ORNAMENTAL TREES			
	5 SHRUBS FOR 25' OF BUILDING FRONTAGES	(78' FRONTAGE) 16 SHRUBS	16 SHRUBS			
PARKING	1 LARGE TREE PER 40' OF PARKING PERIMETER	(216' PERIMETER) 6 LARGE TREES	6 LARGE TREES			
	5 SHRUBS FOR 25' OF PERIMETER	(216' PERIMETER) 44 SHRUBS	44 SHRUBS			
	1 LARGE TREE PER 40 PARKING SPACES IN INTERNAL ISLANDS	(36 SPACES) 1 LARGE TREE	1 LARGE TREES			

GENERAL LANDSCAPE NOTES:

- QUANTITIES LISTED IN THE PLANT LIST SCHEDULE ARE FOR ESTMATES ONLY. TREES, SHRUBS, AND GROUND COVER OF CONTRACT QUANTITIES SHALL BE THE NUMBER OF ITEMS SHOWN ON THE DRAWINGS.

 THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION.

 ALL DISTURBED AREAS NOT OTHERWISE SPECIFIED WITH GROUNDCOVER ARE TO BE PLANTED WITH SOD MATCHING THE SPECIFIED TYPE.

- TREES, SHRUBS, AND PLANTING BEDS SHALL BE SURFACED WITH BROWN HARDWOOD MULCH.
 MULCH PLANTING BEDS SHALL RECEIVE SHOVEL—CUT EDGE WHERE ADJACENT TO TURF.
- THE LANDSCAPE CONTRACTOR SHALL REFER TO ENGINEERING DRAWINGS FOR ANY AND ALL EXISTING AND/OR PROPOSED UTILITIES. IF THERE ARE ANY DISCREPANCIES, CONFLICTS, AND/OR DEVIATIONS BETWEEN THE LANDSCAPE DRAWINGS AND THE EXISTING OR PROPOSED CONDITIONS,
- THE LANDSCAPE CONTRACTOR IS TO CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY. 7. ALL UNDERGROUND UTILITIES ARE TO BE FIELD-VERIFIED PRIOR TO COMMENCEMENT OF WORK.

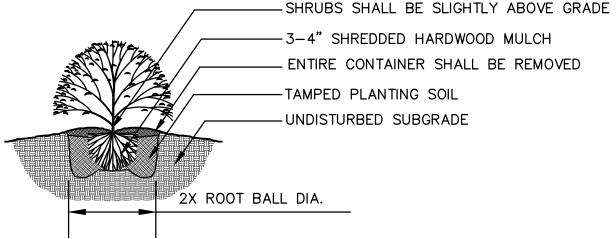
F	PLANT SCHEDULE					
C	RNAMENTAL TREES	QTY	BOTANICAL / COMMON NAME	<u>SIZE</u>	CONDITION	<u>CALIPER</u>
(4	ACER PALMATUM 'BLOODGOOD' / BLOODGOOD JAPANESE MAPLE	N/A	В & В	1.5"
<u>C</u>	VERSTORY TREES	<u>QTY</u>	BOTANICAL / COMMON NAME	<u>SIZE</u>	CONDITION	<u>CALIPER</u>
		6	ACER GRISEUM 'JFS KW8AGRI' TM / FIREBURST PAPERBARK MAPLE	N/A	В & В	2''
	}	5	GINKGO BILOBA 'AUTUMN GOLD' TM / AUTUMN GOLD MAIDENHAIR TREE	N/A	В & В	2''
		4	ULMUS 'PATRIOT' / PATRIOT ELM	N/A	В & В	2''
		1	ZELKOVA SERRATA 'GREEN VASE' / GREEN VASE SAWLEAF ZELKOVA	N/A	В & В	2"
<u>S</u>	SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE		
	\odot	29	AZALEA X 'BLUE DANUBE' / BLUE DANUBE AZALEA	18'' HT.		
	0	16	CHAMAECYPARIS PISIFERA 'GOLDEN MOP' / GOLDEN MOP THREADLEAF SAWARA CYPRESS	18'' HT.		
	\odot	15	SYRINGA MEYERI 'PALIBIN' / DWARF KOREAN LILAC	18'' HT.		
<u>G</u>	ROUND COVERS	QTY	BOTANICAL / COMMON NAME	<u>CONT</u>		
		29,382 SF	TURF SOD / DROUGHT TOLERANT FESCUE BLEND	SQFT		

checked by: QA/QC by: project no.: 022-02457 drawing no.: C LSC01 02202457 05.13.2022 SHEET SCALE IN FEET

- Page 21 -

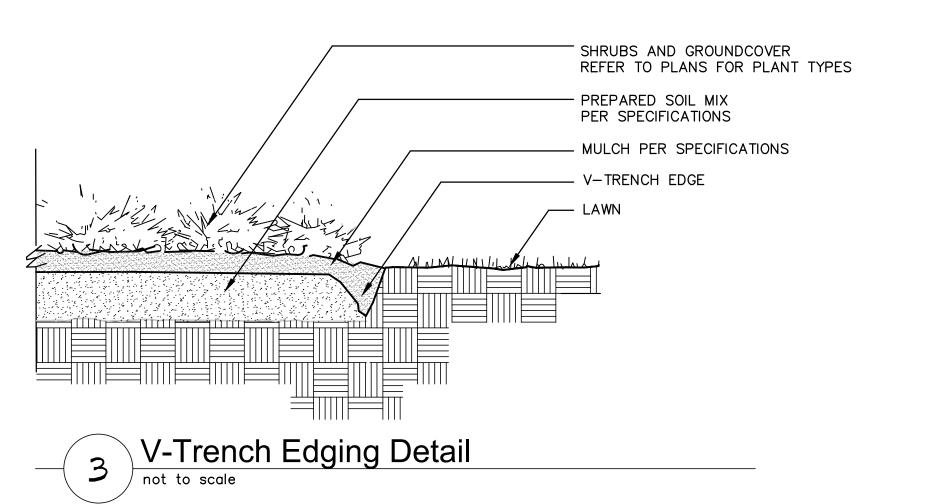
- 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING
- 2. IN AREAS OF TURF, SURROUND BED WITH 6' DIAMETER OF MULCH





- 1. MINIMUM ROOT SPREAD TO BE IN ACCORDANCE WITH ANLA STANDARDS
- 2. PRUNE DAMAGED LIMBS OR ROOTS AFTER INSTALLATION
- 3. MAKE SURE ROOTS DO NOT DRY OUT DURING INSTALLATION
- 4. SOAK GENEROUSLY TO COMPACT AND SETTLE



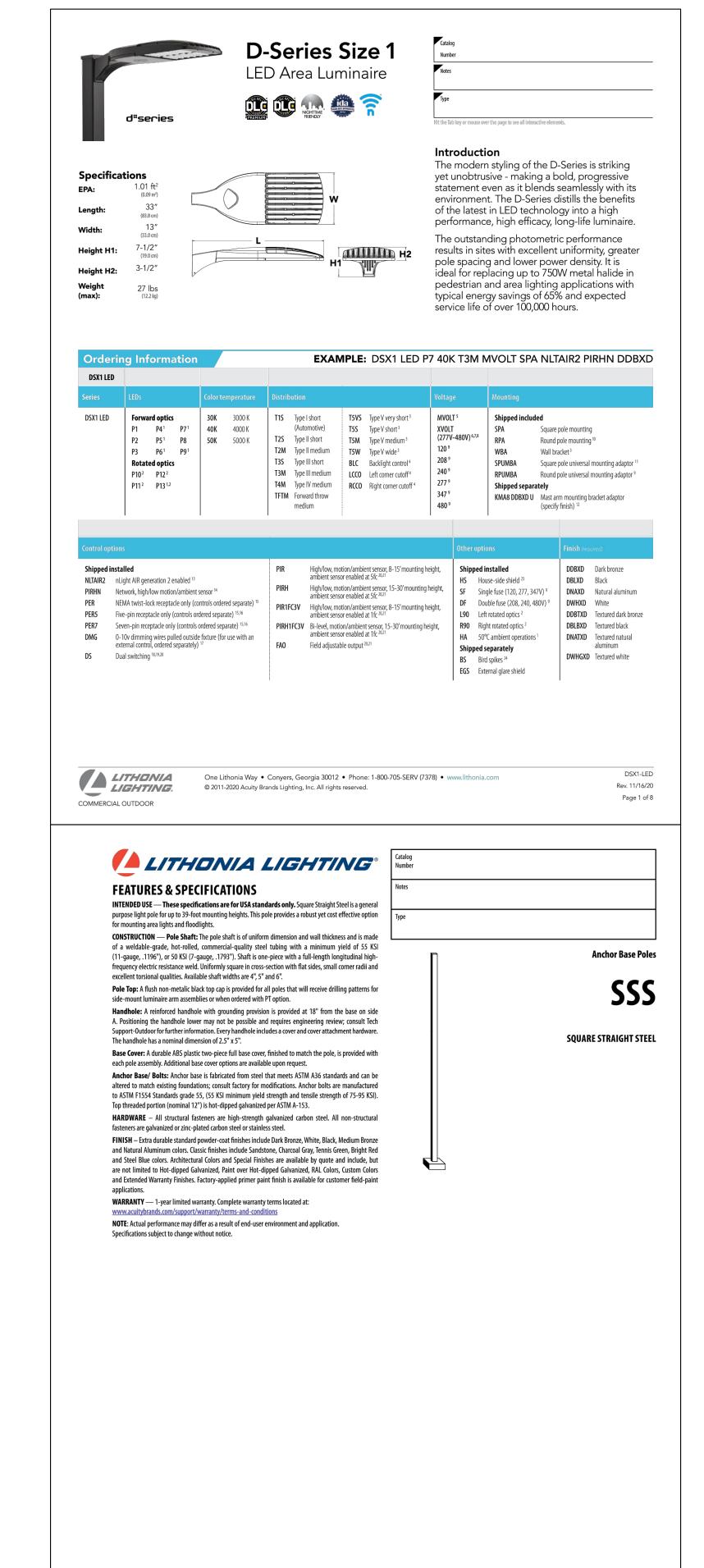


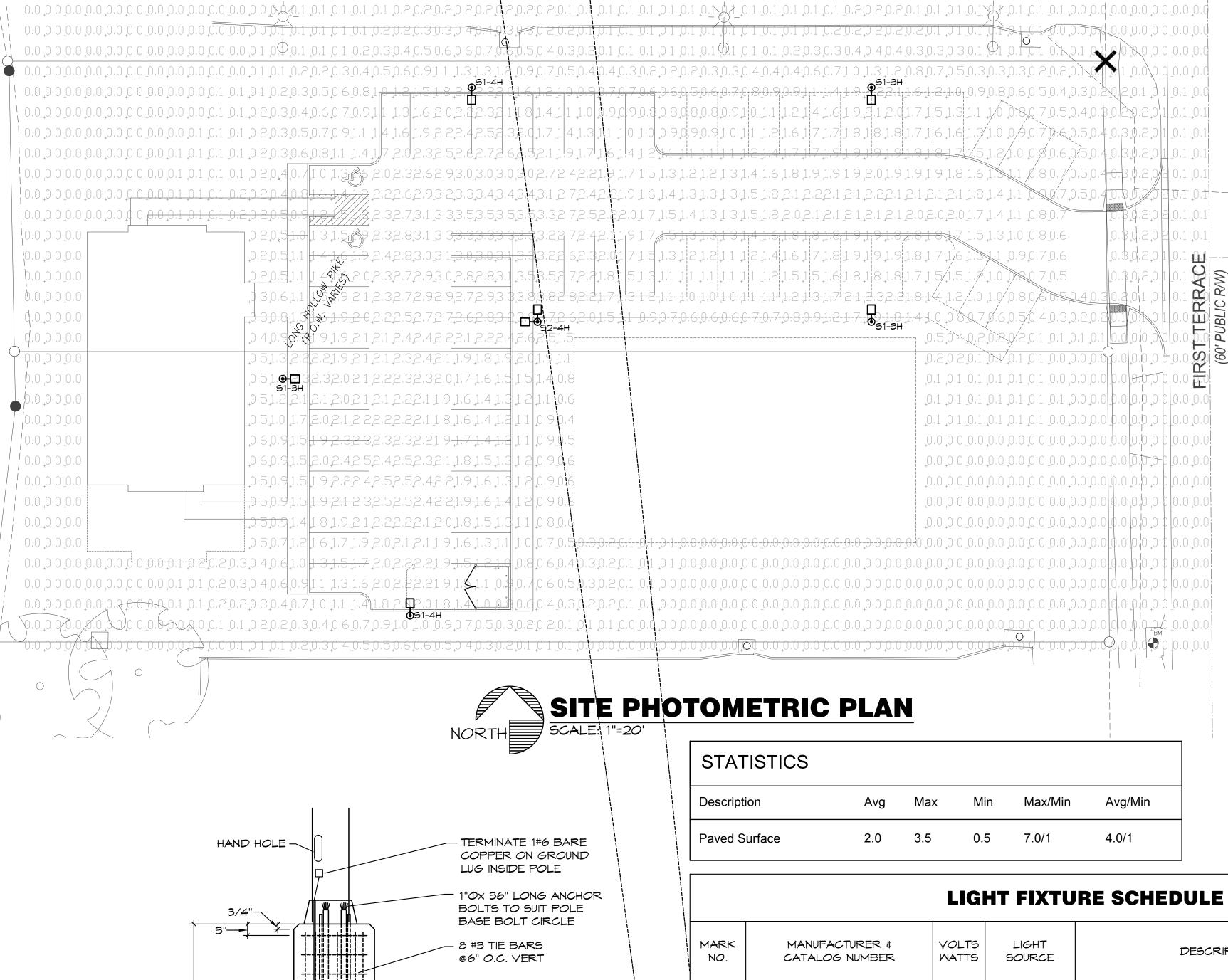
PLANTING NOTES

- 1. ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- 2. LOCATE AND FLAG ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL PROTECT EXISTING OVERHEAD AND UNDERGROUND UTILITIES. ANY DAMAGE TO SUCH SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE
- 3. PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE CITY AND LOCAL GOVERNING BODIES. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN.
- 4. PLAN IS SUBJECT TO CHANGES BASED ON PLANT SIZE AND MATERIAL AVAILABILITY. ALL CHANGES OR SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 5. ALL PLANT MATERIAL SHALL BE NURSERY GROWN TO MEET MINIMUM SIZE AS SPECIFIED IN THE AMERICAN STANDARD FOR NURSERY STOCK ESTABLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (ANLA). THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
- 6. ALL TREES SHALL BE CALIPERED AND ANY UNDERSIZED TREES SHALL BE REJECTED. SPECIFIED CALIPER MEASUREMENT FOR TREES SHALL BE MEASURED AT 12" ABOVE THE
- 7. PLANTING OF TREES, SHRUBS, SODDED AND SEEDED TURFGRASS SHALL BE COMMENCED DURING EITHER THE SPRING (MARCH 15-JUNE 15) OR FALL (SEPTEMBER 1 - OCTOBER 15) PLANTING SEASON AND WITH WATER AVAILABLE FOR IRRIGATION PURPOSES.
- 8. CONTRACTOR SHALL STAKE OR MARK ALL PLANT MATERIAL LOCATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL HAVE THE LANDSCAPE ARCHITECT APPROVE ALL STAKING PRIOR TO INSTALLATION. FIELD ADJUSTMENTS MAY BE NECESSARY BASED UPON FIELD CONDITIONS (I.E. ROOT BALL AND DROP INLET CONFLICT). ALL ADJUSTMENTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 9. THE LANDSCAPE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
- 10. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL SHRUB BEDS PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
- 11. BACKFILL ALL PLANTING BEDS TO A MINIMUM 12-INCH DEPTH WITH PLANTING SOIL MIX. PLANTING SOIL MIX SHALL CONSIST OF ONE (1) PART PERLITE, ONE (1) PART PEAT MOSS, AND TWO (2) PARTS CLEAN LOAM TOPSOIL. THOROUGHLY MIX PLANTING SOIL COMPONENTS PRIOR TO PLACEMENT.
- 12. ALL LANDSCAPE PLANTING AREAS, EXCLUDING TURF AREAS SHALL BE MULCHED WITH A MINIMUM OF 3-4" SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED ON PLANS.
- 13. CULTIVATED LANDSCAPE EDGING IS TO BE USED ON ALL LANDSCAPE BEDS ABUTTING SODDED OR SEEDED AREAS.
- 14. LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL PLANT MATERIALS UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND ACCEPTANCE OF THE PROJECT HAS TAKEN PLACE. ANY MATERIAL WHICH DIES, OR DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOVED AND REPLACED.
- 17. THE CONTRACTOR WILL COMPLETELY GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF ACCEPTANCE. CONTRACTOR WILL MAKE ALL REPLACEMENTS PROMPTLY (AS PER DIRECTION OF OWNER).

					REVISIONS	
				0000	2022	
STE PLAN		PRIMIS DENTAI	1ST ST TERRACE			

L2.0





POLE FOUNDATION DETAIL

-12-#3 TIE BARS @

12"O.C. VERT.

(TYPICAL)

1#6 BARE COPPER

GROUND CLAMP-

1/2"x8'-0"

See footnotes next page

POLE-SSS

COPPERCLAD

GROUND ROD

3" CLEAR COVER (TYP.) -

SCALE: NONE

IN CONDUIT

3000 LB CONCRETE

EQUALLY SPACED TO

- 8 #7 VERT BARS

MISS CONDUITS

-PYC CONDUIT THRU BASE

LITHONIA

(2)DSX1-P2-40K-TFTM-

MYOLT-SPA-DDBXD-HS

M/ SSS-20-4C-DM29AS-

YD-DDBXD POLE

120

140

4000K

9000 LUMS

51-3H

51-4H

52-4H

LIGHT FIXTURE SCHEDULE					
MANUFACTURER & CATALOG NUMBER	VOLTS MATTS	LIGHT SOURCE	DESCRIPTION	EQUIVALENT MANUFACTURERS	
LITHONIA DSX1-P2-40K-T3M- MVOLT-SPA-DDBXD-H5 W/ SSS-20-4C-DM19AS- VD-DDBXD POLE	120 70	LED 4000K 9000 LUMS	POLE MOUNTED LED FIXTURE WITH TYPE 3 DISTRIBUTION, BRONZE FINISH. FIXTURE TO BE MOUNTED ON 20' SQUARE STEEL POLE W/ BRONZE FINISH AND VIBRATION DAMPER ON 3' CONCRETE BASE. SEE POLE BASE DETAIL ON THIS SHEET. HOUSE SIDE SHIELD	OR EQUAL APPROVED BY ARCH/ENGINEER	
LITHONIA DSX1-P2-40K-TFTM- MVOLT-SPA-DDBXD-HS W/ SSS-20-4C-DM19AS- VD-DDBXD POLE	120 70	LED 4000K 9000 LUMS	POLE MOUNTED LED FIXTURE WITH TYPE 4 DISTRIBUTION, BRONZE FINISH. FIXTURE TO BE MOUNTED ON 20' SQUARE STEEL POLE W/ BRONZE FINISH AND VIBRATION DAMPER ON 3' CONCRETE BASE. SEE POLE BASE DETAIL	OR EQUAL APPROVED BY ARCH/ENGINEER	

3' CONCRETE BASE. SEE POLE BASE DETAIL ON THIS SHEET. HOUSE SIDE SHIELD OR EQUAL (2) POLE MOUNTED LED FIXTURES (90° APPROVED BY OREINTATION) WITH TYPE 4 DISTRIBUTION, ARCH/ENGINEER BRONZE FINISH. FIXTURE TO BE MOUNTED ON 20' SQUARE STEEL POLE W/ BRONZE FINISH AND VIBRATION DAMPER ON 3' CONCRETE BASE. SEE POLE BASE DETAIL ON THIS SHEET. HOUSE SIDE SHIELD

> BC PROJECT **#22303** KANSAS PE COA #E-359

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5720 Reeder Shawnee, KS 66203 (913)262-1772

OUTDOOR

5/13/2022

FAWN VALLEY ST

(PUBLIC 50' R/W)

REVISION

21120 05-13-2022

Agenda Item 2. 1,086 S.F. 100% TOTAL AREA 23% 249 S.F. GLASS CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES 227 S.F. **MASONRY** 21% APPLIED MASONRY VENEER 590 S.F. 54% EXTERIOR INSULATION FINISH SYSTEM **EIFS** 2% 20 S.F. NICHIHA CEMENTITIOUS PANEL (WOOD LOOK) SLOPED ROOF -W/ ASPHALT SHINGLES 26'-0" CEMENTITIOUS PANEL (NICHIHA) APPLIED MASONRY VENEER (AMV) E.I.F.S. LALUMINUM FRAMED EAST ELEVATION NOTE: WINDOWS **NO SCALE** THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY THE LOCAL JURISDICTION. 806 S.F. 100% TOTAL AREA 117 S.F. 16% GLASS CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES 33% 267 S.F. **MASONRY** APPLIED MASONRY VENEER CEMENTITIOUS PANEL EXTERIOR INSULATION FINISH SYSTEM 220 S.F. 27% **EIFS** (NICHIHA) 202 S.F. 24% NICHIHA CEMENTITIOUS PANEL (WOOD LOOK) SLOPED ROOF -W/ ASPHALT SHINGLES

E.I.F.S. -APPLIED MASONRY VENEER (AMV)

NORTH ELEVATION NO SCALE

NOTE: THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY THE LOCAL JURISDICTION.

LALUMINUM FRAMED WINDOWS

Office Dental .ansing Lansing,

REVISION

COLOR **ELEVATIONS**

RM21120 04.28.2022

AC001

Agenda Item 2.

1,398 S.F.100%TOTAL AREA150 S.F.11%GLASS270 S.F.19%MASONRY929 S.F.68%EIFS49 S.F.2%NICHIHA

CLEAR GLASS IN DARK BRONZE ALUMINUM FRAMES
APPLIED MASONRY VENEER
EXTERIOR INSULATION FINISH SYSTEM
CEMENTITIOUS PANEL (WOOD LOOK)

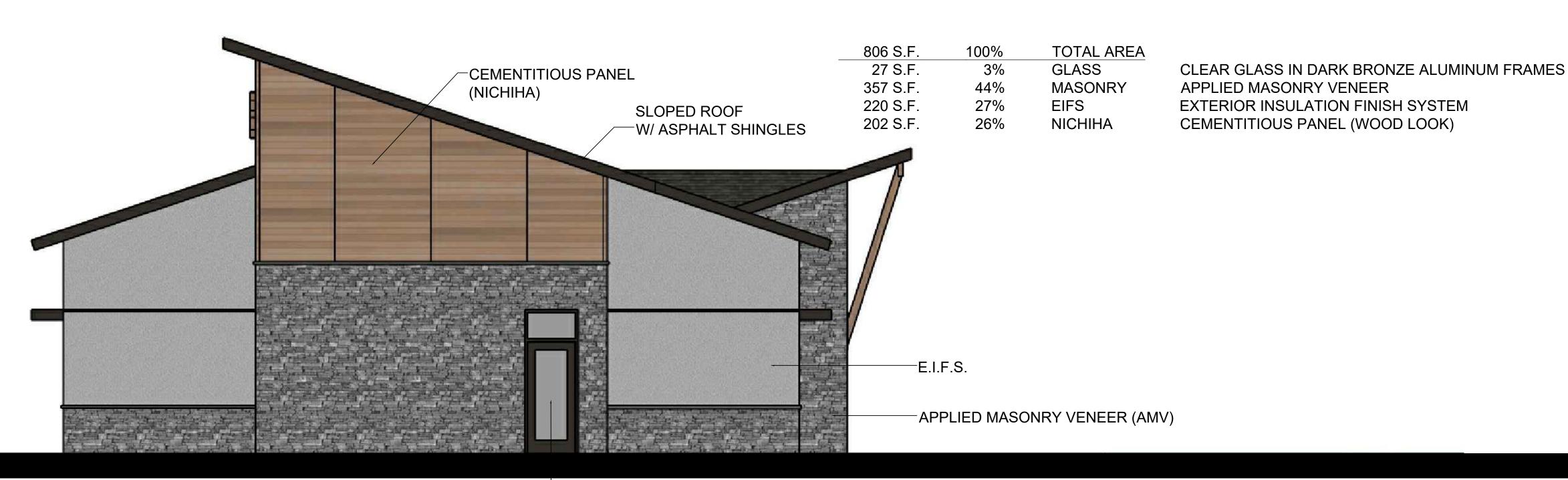


WEST ELEVATION

NO SCALE

NOTE:
THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE
REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE
MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY
THE LOCAL JURISDICTION.

-ALUMINUM FRAMED WINDOWS



SOUTH ELEVATION NO SCALE

LALUMINUM FRAMED WINDOWS

NOTE:
THESE ELEVATIONS HAVE BEEN DESIGNED TO MEET THE
REQUIREMENTS OF THE CITY OF LANSING'S ARCHITECTURAL
DESIGN STANDARDS AND THE APPROVAL OF THE PLANNING
COMMISSION / CITY OF LANSING. CHANGES SHALL NOT BE
MADE TO THE APPROVED ELEVATIONS UNLESS APPROVED BY
THE LOCAL JURISDICTION.

TO E N T A L

401 8th Ave. SE • Cedar Rapids, lowa • 52401

Des Moines • Kansas City • Minneapolis • Omaha

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ansing Dental Office. ansing, KS

REVISION

COLOR ELEVATIONS RM

21120 04.28.2022

AC002



May 16th, 2022

City of Lansing, KS Community & Economic Development Department 800 First Terrace Lansing, KS 66043

Re: Stormwater Letter – Primus Dental

To Whom It May Concern:

We are submitting this letter on behalf of Primus Companies for the proposed development of a parcel of land located on 1st st Terrace in Lansing, KS. The purpose of this letter is to provide compliance with the city's storm water discharge criteria, and compliance with the previously approved stormwater Management Studies performed by GBA and EBH for the regional detention. This report follows the design requirements of the Lansing Design Criteria for Storm Drainage Facilities.

The following exhibits are attached for your reference:

- Exhibit A Existing Conditions
- Exhibit B Proposed Conditions
- Exhibit C Storm Water Calculations

Existing Drainage Conditions:

The existing site is approximately 1.26 acres of a temporarily undeveloped lot (*See Exhibit A*). The existing site topography generally slopes to the east, and runoff is directed into first terrace where it eventually is routed into the existing storm sewer along the street. An existing 36" RCP directs flow into our site from the west side of Hwy 7. There is no information for the flows from this existing pipe however there are no proposed modifications to the pipe, and it shall remain as is in the proposed conditions. The pre-developed site was assigned a "C" value of 0.65. The existing site drainage conditions are summarized in the table below. (*See Exhibit C*).

Table 1 – Existing Conditions Hydrologic Parameters

Table 1 Existing Containent Tyarologic Larameters						
Drainage Area	Area C		Tc			
	(acres)		(min)			
On site	1.26	0.65	5			
Offsite	0.16	0.30	5			

Table 2 – Summary of Existing Onsite Flows

Drainage Area	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)	
Outfall A	6.28	7.15	8.52	

Proposed Conditions:

The proposed overall development of the site will be medical office use and contain a new building and associated parking and utilities. Future improvements include an additional building and parking. The proposed impervious area of the overall development, including future improvements, will be 0.72 acres, which is a 57% increase. This is in conformance with the previous report prepared by GBA, with an assumed increase area 0f 80% (C=0.80) for Heavy Industrial Areas. The proposed improvements will increase the impervious area on site, and therefore increase the runoff volumes as shown in Table 4 (See Exhibit B). The proposed site topography will mimic the existing site and direct water to the east where a portion of the site will flow into First Terrace, and another portion to be captured by storm inlet and routed to the existing storm sewer along First Terrace. The existing 36" RCP discharge will be routed overland by swale along the north property line and into a proposed area inlet and into the existing storm sewer. During larger storm events the area inlet will overflow into First Terrace. The proposed development was assigned a "C" value of 0.80 for Heavy Industrial, which is in conformance with the previously approved drainage reports prepared by GBA and EBH. The proposed site drainage conditions are summarized in the table below. (See Exhibit C).

Table 3 – Proposed Overall Conditions Hydrologic Parameters

Drainage Area	Area	С	Тс
	(acres)		(min)
On site	1.26	0.80	5
Offsite	0.16	0.16	5

Table 4 – Summary of Proposed Onsite Flows

Drainage Area	Q ₁₀ (cfs)	Q ₂₅ (cfs)	Q ₁₀₀ (cfs)	
Outfall A	7.65	8.71	10.38	

Stormwater Detention:

The proposed development detention is provided by an existing pond to the southeast of the development. The pond was designed to accommodate these proposed improvements. Per the conditions noted above for the assumed increase of impervious area, there are no recommendations to modify the existing detention pond.

Conclusions:

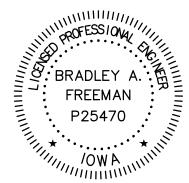
The proposed improvements shall be constructed in accordance with the City of Lansing's Engineering Design Criteria. The stormwater discharge from the proposed development will not exceed the design capacities of the adjacent public storm sewer systems or regional detention.

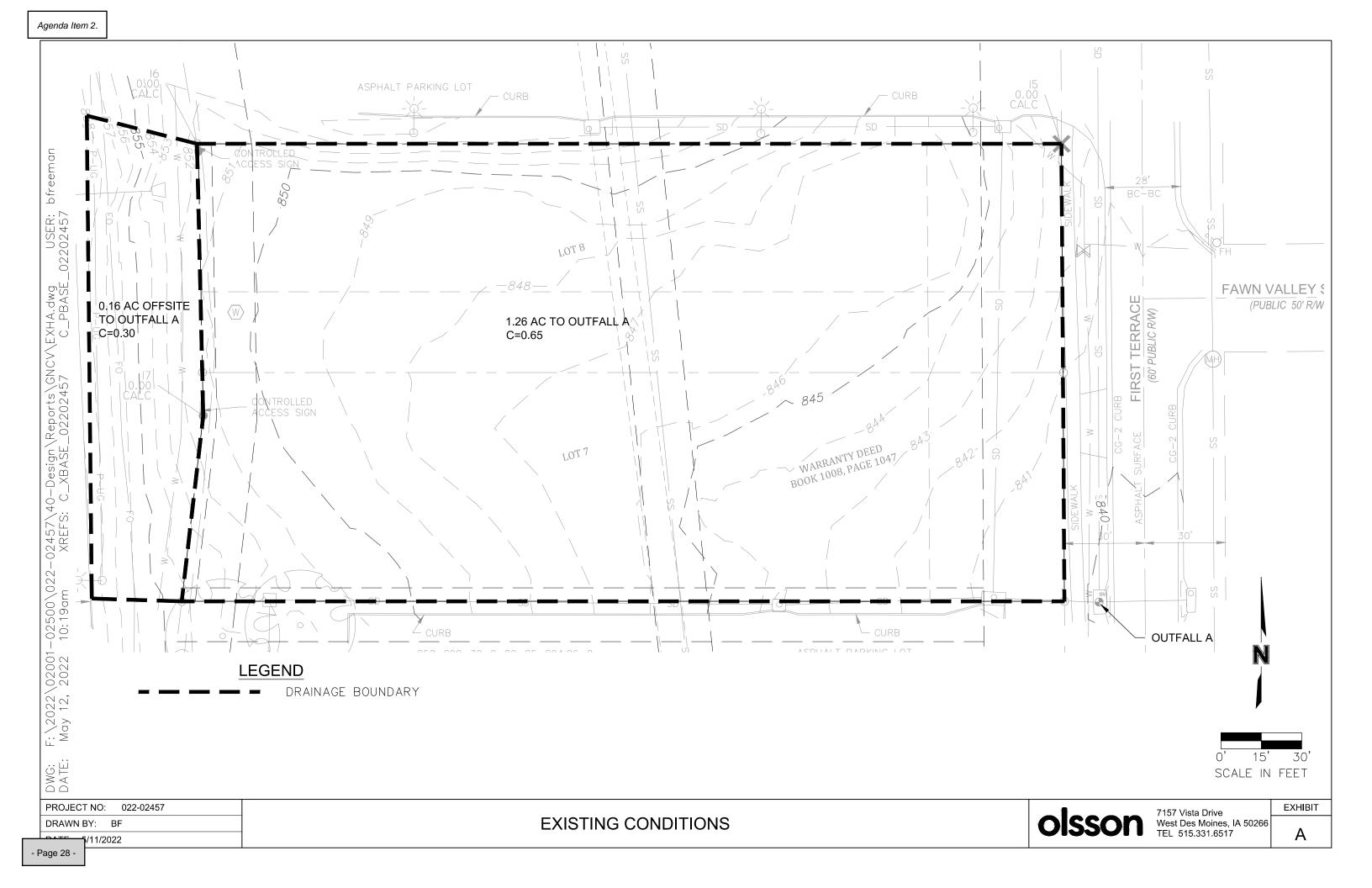
Based on the information provided herein, we request your approval of this storm drainage Letter. If you have any questions or comments or need additional information, please do not hesitate to call me at (515) 867-2755 or via e-mail at bfreeman@olsson.com.

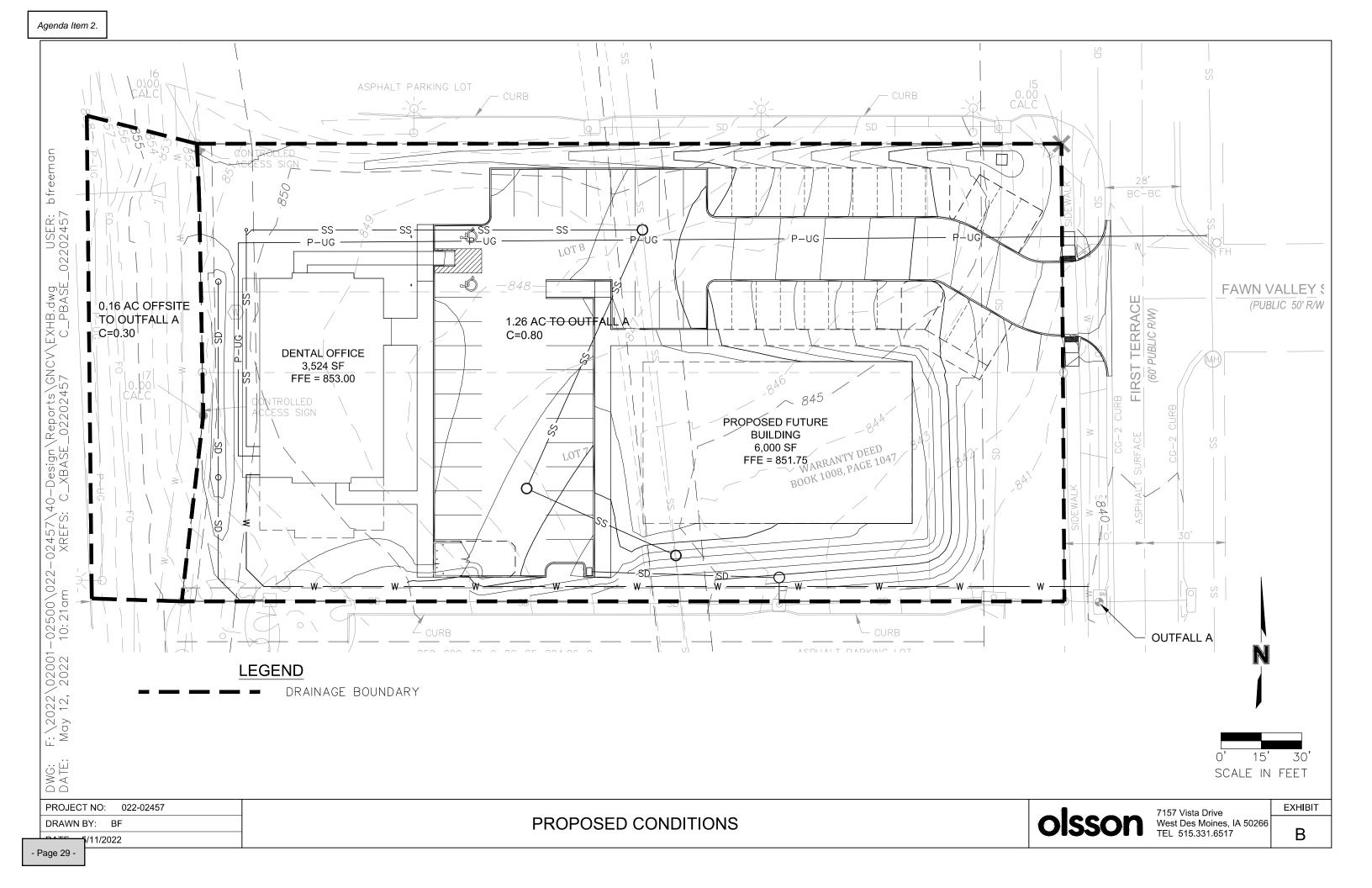
Sincerely,

Bradley Freeman, PE

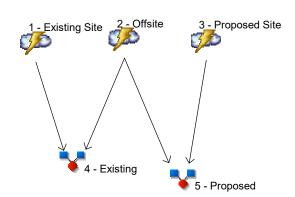
Project Engineer











Legend

<u>Hyd.</u>	<u>Origin</u>	<u>Description</u>
1	Rational	Existing Site
2	Rational	Offsite
3	Rational	Proposed Site
4	Combine	Existing
5	Combine	Proposed

Thursday, 05 / 12 / 2022

Natershed Model Schematic					
Hydrograph Return Period Recap	2				
10 - Year Summary ReportHydrograph Reports					
Hydrograph No. 1, Rational, Existing Site	5 6				
Hydrograph No. 4, Combine, Existing Hydrograph No. 5, Combine, Proposed					
25 - Year Summary Report					
100 - Year Summary Report					
IDE Damant	24				

2

Hydrograph Return Period Recap Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2022

	Hydrograph								Hydrograph		
lo.	type (origin)	hyd(s)	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr	Description
1	Rational						5.937	6.753		8.052	Existing Site
2	Rational						0.348	0.396		0.472	Offsite
3	Rational						7.307	8.311		9.910	Proposed Site
4	Combine	1, 2,					6.284	7.149		8.524	Existing
5	Combine	2, 3,					7.654	8.707		10.38	Proposed

Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2022

			Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v20						
Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	Rational	5.937	1	5	1,781				Existing Site
2	Rational	0.348	1	5	104				Offsite
3	Rational	7.307	1	5	2,192				Proposed Site
4	Combine	6.284	1	5	1,885	1, 2,			Existing
5	Combine	7.654	1	5	2,296	2, 3,			Proposed

- Page 33 -

Return Period: 10 Year

Thursday, 05 / 12 / 2022

Thursday, 05 / 12 / 2022

Hyd. No. 1

Existing Site

Hydrograph type Peak discharge = 5.937 cfs= Rational Storm frequency = 10 yrsTime to peak = 5 min Time interval = 1 min Hyd. volume = 1,781 cuft Runoff coeff. Drainage area = 1.260 ac= 0.65Tc by User $= 5.00 \, \text{min}$ Intensity = 7.249 in/hrAsc/Rec limb fact = 1/1 IDF Curve = KCMO.IDF

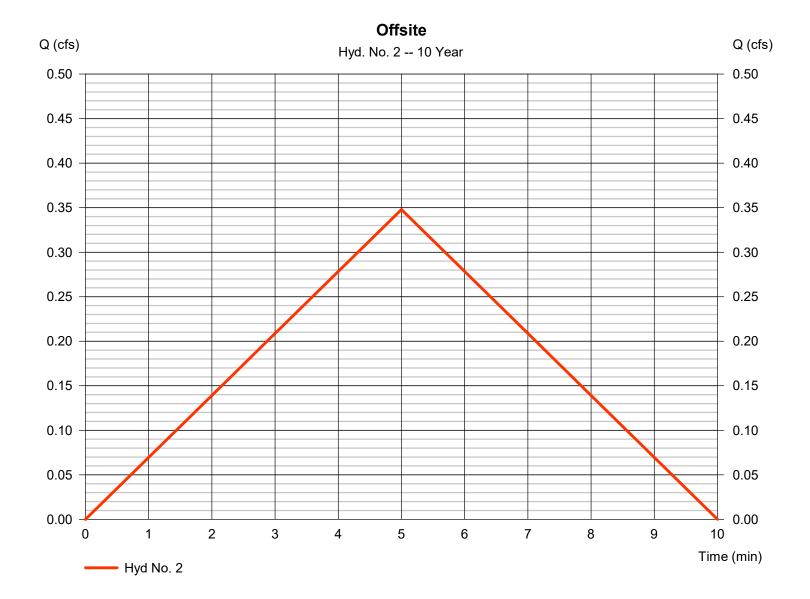


Thursday, 05 / 12 / 2022

Hyd. No. 2

Offsite

Hydrograph type = Rational Peak discharge = 0.348 cfsStorm frequency Time to peak = 10 yrs= 5 min Time interval = 1 min Hyd. volume = 104 cuft Drainage area Runoff coeff. = 0.160 ac= 0.3Tc by User $= 5.00 \, \text{min}$ Intensity = 7.249 in/hrAsc/Rec limb fact IDF Curve = KCMO.IDF = 1/1

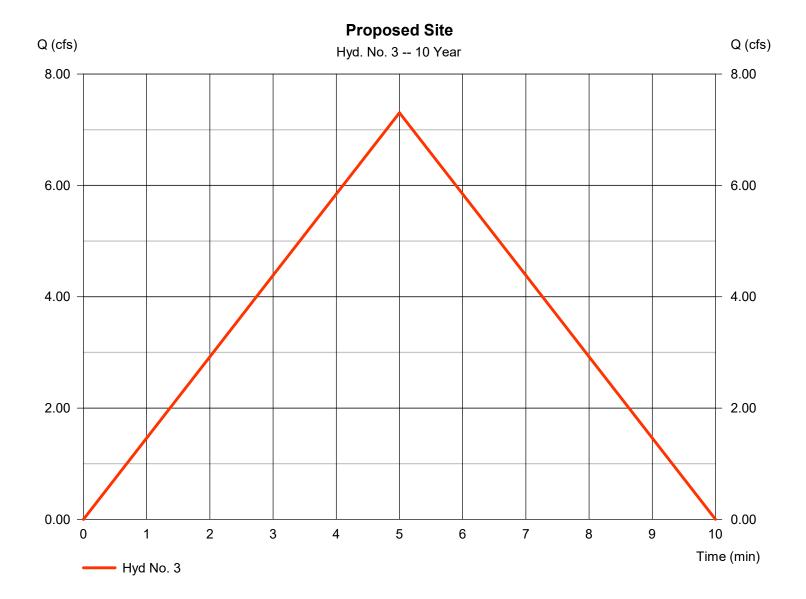


Thursday, 05 / 12 / 2022

Hyd. No. 3

Proposed Site

Hydrograph type = Rational Peak discharge = 7.307 cfsStorm frequency = 10 yrsTime to peak = 5 min = 2,192 cuft Time interval = 1 min Hyd. volume Drainage area Runoff coeff. = 1.260 ac= 0.8Tc by User $= 5.00 \, \text{min}$ Intensity = 7.249 in/hrAsc/Rec limb fact IDF Curve = KCMO.IDF = 1/1

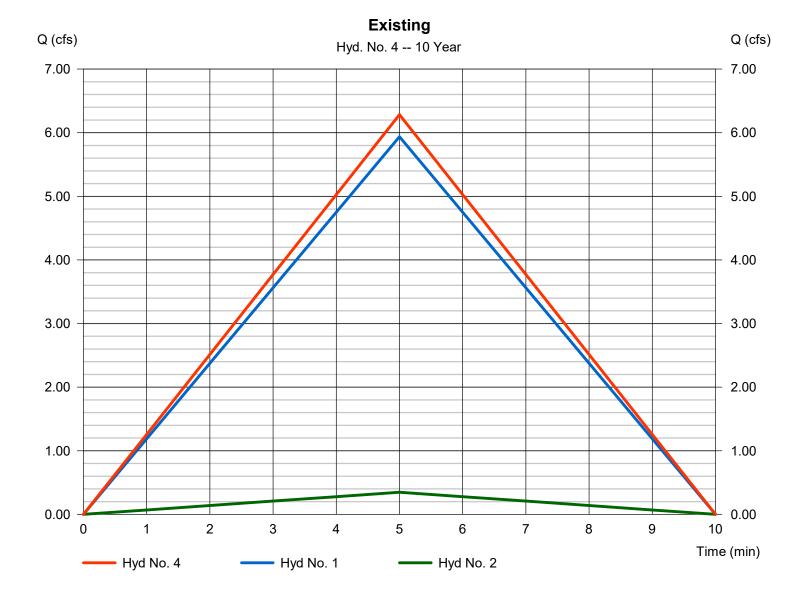


Thursday, 05 / 12 / 2022

Hyd. No. 4

Existing

= 6.284 cfsHydrograph type = Combine Peak discharge Time to peak Storm frequency = 10 yrs= 5 min = 1,885 cuft Time interval = 1 min Hyd. volume Inflow hyds. Contrib. drain. area = 1.420 ac= 1, 2



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= 7.654 cfs

= 2,296 cuft

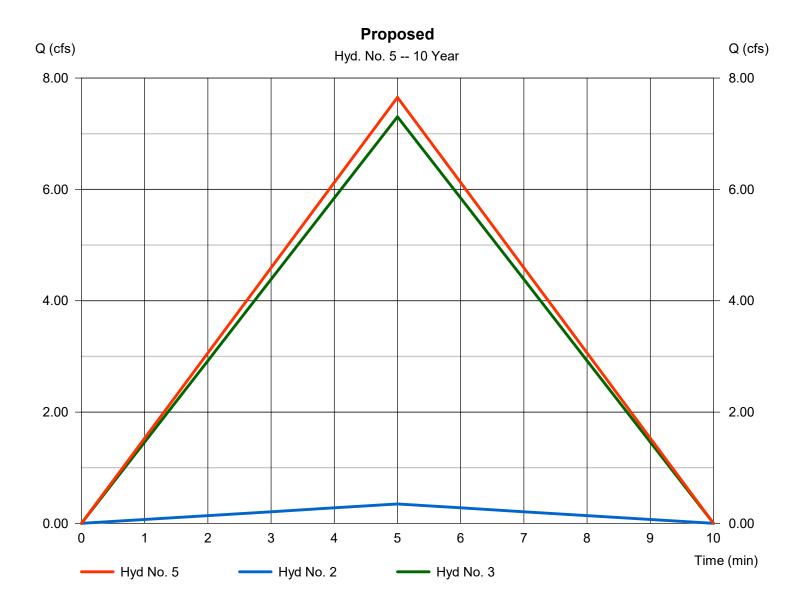
= 1.420 ac

= 5 min

Hyd. No. 5

Proposed

Hydrograph type= CombinePeak dischargeStorm frequency= 10 yrsTime to peakTime interval= 1 minHyd. volumeInflow hyds.= 2, 3Contrib. drain. area



Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2022

		•			. •	Hydrat	low Hydrographs	Extension for Al	utodesk® Civil 3D® by Autodesk, Inc. v2022
Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	Rational	6.753	1	5	2,026				Existing Site
2	Rational	0.396	1	5	119				Offsite
3	Rational	8.311	1	5	2,493				Proposed Site
4	Combine	7.149	1	5	2,145	1, 2,			Existing
5	Combine	8.707	1	5	2,612	2, 3,			Proposed

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Return Period: 25 Year

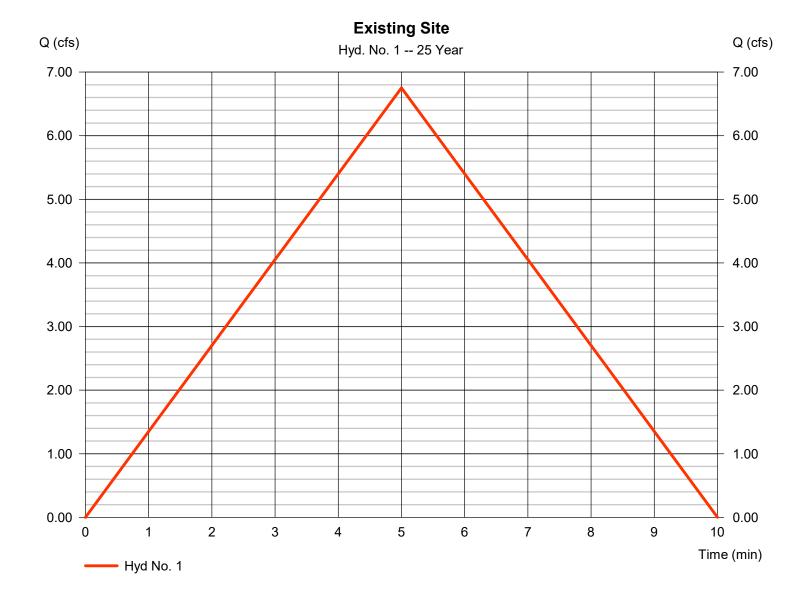
Thursday, 05 / 12 / 2022

Thursday, 05 / 12 / 2022

Hyd. No. 1

Existing Site

Hydrograph type = Rational Peak discharge = 6.753 cfsStorm frequency = 25 yrsTime to peak = 5 min Time interval = 1 min Hyd. volume = 2,026 cuft Drainage area Runoff coeff. = 1.260 ac= 0.65Tc by User Intensity = 8.245 in/hr $= 5.00 \, \text{min}$ Asc/Rec limb fact = 1/1 IDF Curve = KCMO.IDF

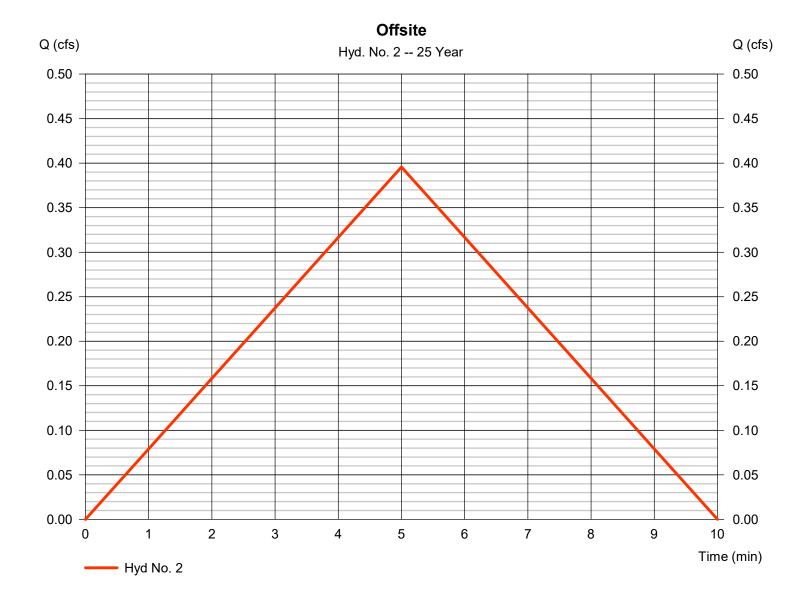


Thursday, 05 / 12 / 2022

Hyd. No. 2

Offsite

Hydrograph type = Rational Peak discharge = 0.396 cfsStorm frequency Time to peak = 25 yrs= 5 min Time interval = 1 min Hyd. volume = 119 cuft Drainage area Runoff coeff. = 0.160 ac= 0.3Tc by User = 8.245 in/hr $= 5.00 \, \text{min}$ Intensity Asc/Rec limb fact IDF Curve = KCMO.IDF = 1/1

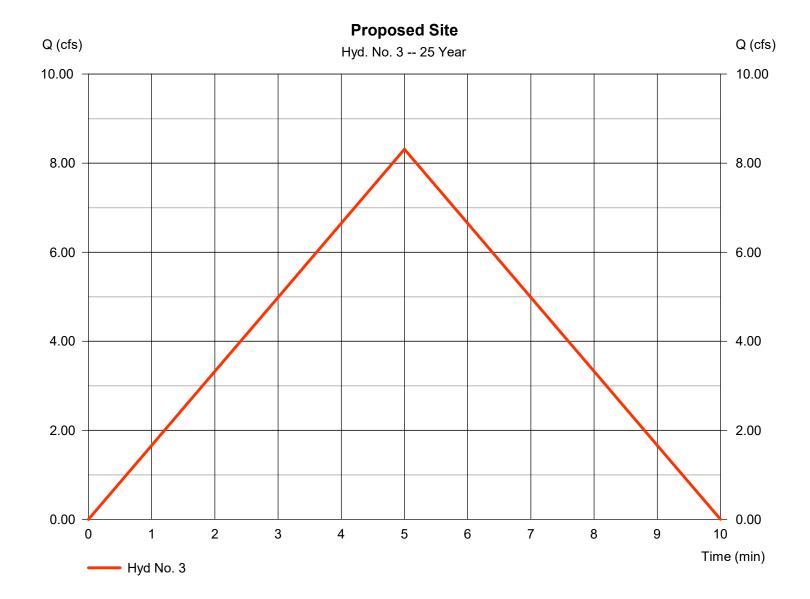


Thursday, 05 / 12 / 2022

Hyd. No. 3

Proposed Site

Hydrograph type = Rational Peak discharge = 8.311 cfsStorm frequency Time to peak = 25 yrs= 5 min Time interval = 1 min Hyd. volume = 2,493 cuftDrainage area = 1.260 acRunoff coeff. = 0.8Tc by User $= 5.00 \, \text{min}$ Intensity = 8.245 in/hr IDF Curve = KCMO.IDF Asc/Rec limb fact = 1/1

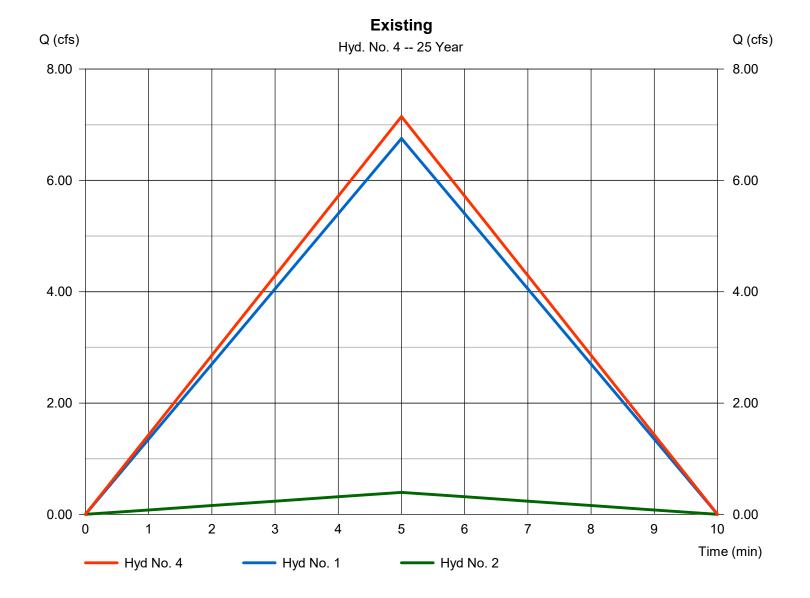


Thursday, 05 / 12 / 2022

Hyd. No. 4

Existing

Hydrograph type = Combine Storm frequency = 25 yrs Time interval = 1 min Inflow hyds. = 1, 2 Peak discharge = 7.149 cfs
Time to peak = 5 min
Hyd. volume = 2,145 cuft
Contrib. drain. area = 1.420 ac

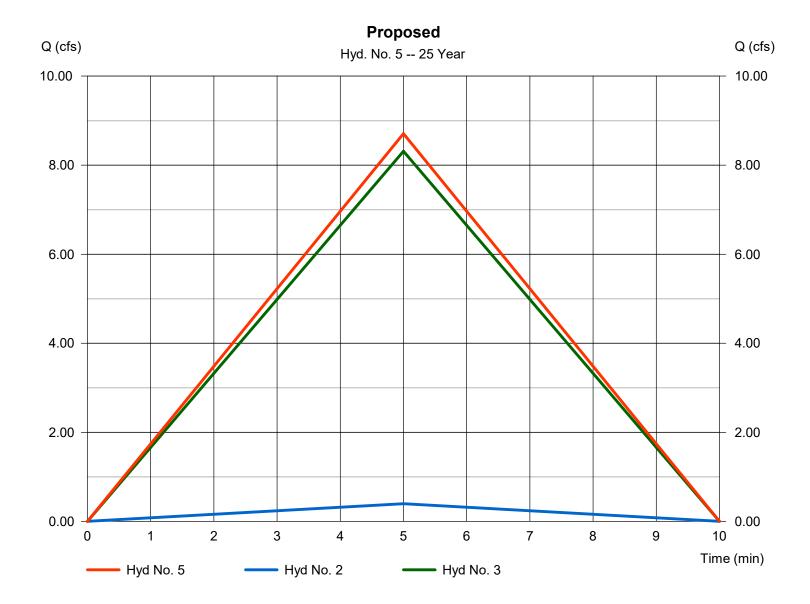


Thursday, 05 / 12 / 2022

Hyd. No. 5

Proposed

Hydrograph type = Combine Storm frequency = 25 yrs Time interval = 1 min Inflow hyds. = 2, 3 Peak discharge = 8.707 cfs
Time to peak = 5 min
Hyd. volume = 2,612 cuft
Contrib. drain. area = 1.420 ac



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Hydrograph Summary Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2022

Thursday, 05 / 12 / 2022

lyd. lo.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to Peak (min)	Hyd. volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (cuft)	Hydrograph Description
1	Rational	8.052	1	5	2,416				Existing Site
2	Rational	0.472	1	5	142				Offsite
3	Rational	9.910	1	5	2,973				Proposed Site
4	Combine	8.524	1	5	2,557	1, 2,			Existing
5	Combine	10.38	1	5	3,115	2, 3,			Proposed

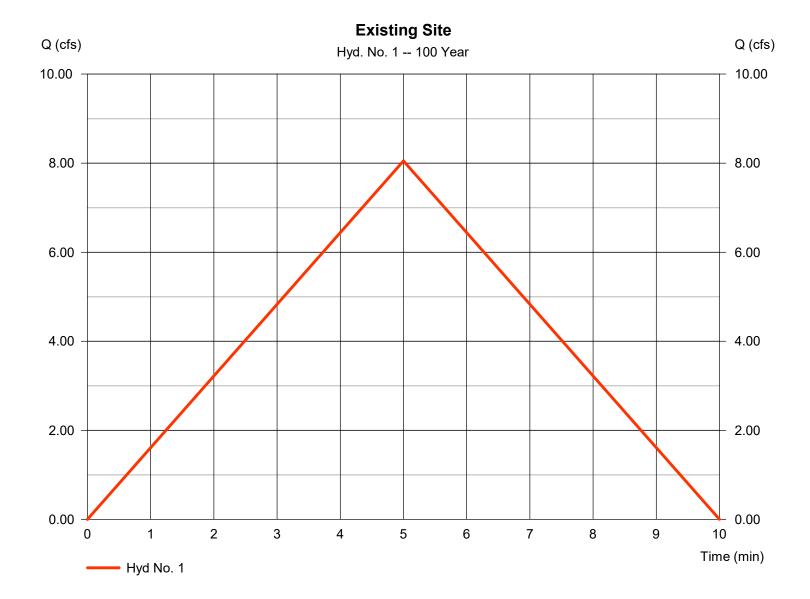
Return Period: 100 Year

Thursday, 05 / 12 / 2022

Hyd. No. 1

Existing Site

Hydrograph type = Rational Peak discharge = 8.052 cfsStorm frequency = 100 yrsTime to peak = 5 min = 2,416 cuft Time interval = 1 min Hyd. volume Drainage area Runoff coeff. = 0.65= 1.260 acTc by User $= 5.00 \, \text{min}$ Intensity = 9.832 in/hrAsc/Rec limb fact IDF Curve = 1/1= KCMO.IDF

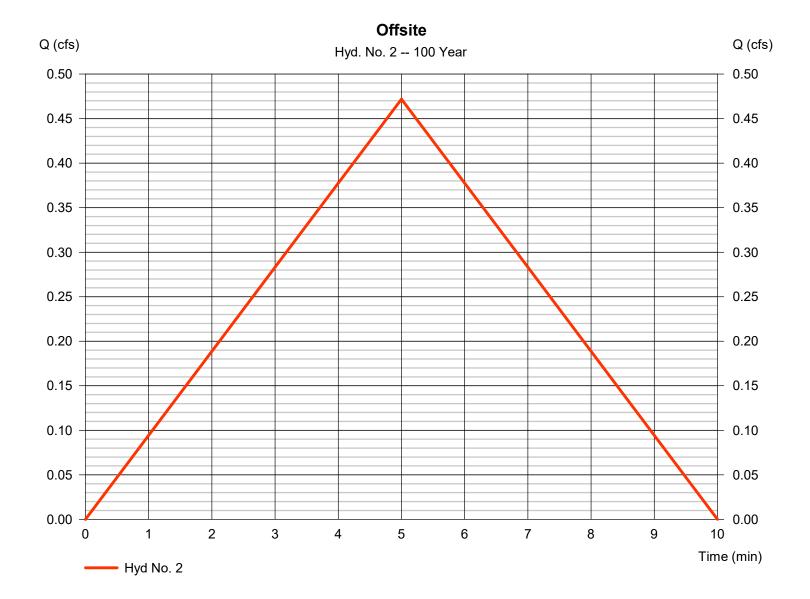


Thursday, 05 / 12 / 2022

Hyd. No. 2

Offsite

Hydrograph type Peak discharge = 0.472 cfs= Rational Storm frequency Time to peak = 100 yrs= 5 min Time interval = 1 min Hyd. volume = 142 cuft Drainage area Runoff coeff. = 0.160 ac= 0.3Tc by User $= 5.00 \, \text{min}$ Intensity = 9.832 in/hr**IDF** Curve Asc/Rec limb fact = 1/1= KCMO.IDF

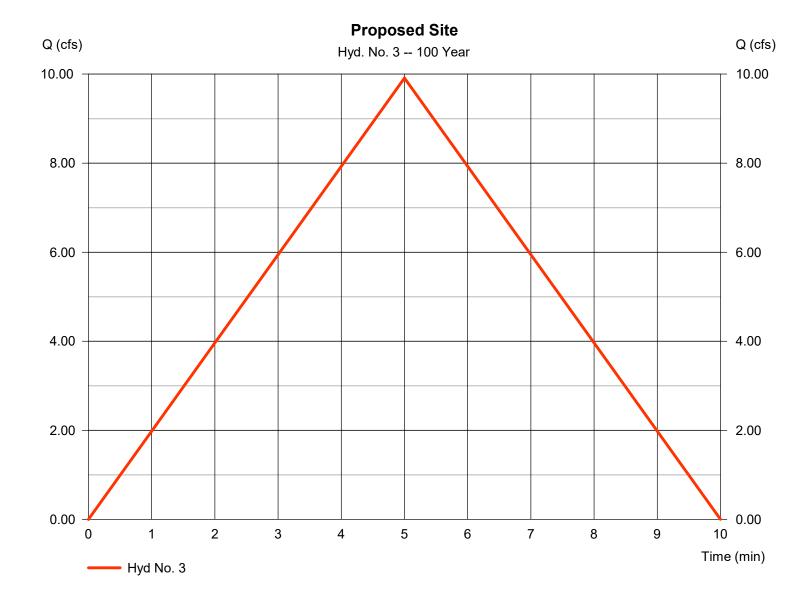


Thursday, 05 / 12 / 2022

Hyd. No. 3

Proposed Site

Hydrograph type = Rational Peak discharge = 9.910 cfsStorm frequency = 100 yrsTime to peak = 5 min = 2,973 cuft Time interval = 1 min Hyd. volume Drainage area Runoff coeff. = 1.260 ac= 0.8Tc by User $= 5.00 \, \text{min}$ Intensity = 9.832 in/hrIDF Curve Asc/Rec limb fact = 1/1= KCMO.IDF

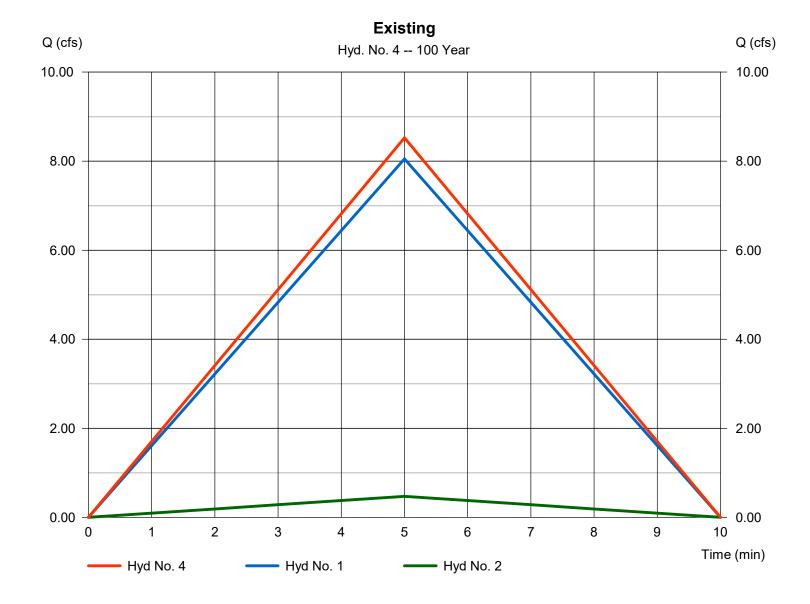


Thursday, 05 / 12 / 2022

Hyd. No. 4

Existing

Hydrograph type = Combine Storm frequency = 100 yrs Time interval = 1 min Inflow hyds. = 1, 2 Peak discharge = 8.524 cfs
Time to peak = 5 min
Hyd. volume = 2,557 cuft
Contrib. drain. area = 1.420 ac

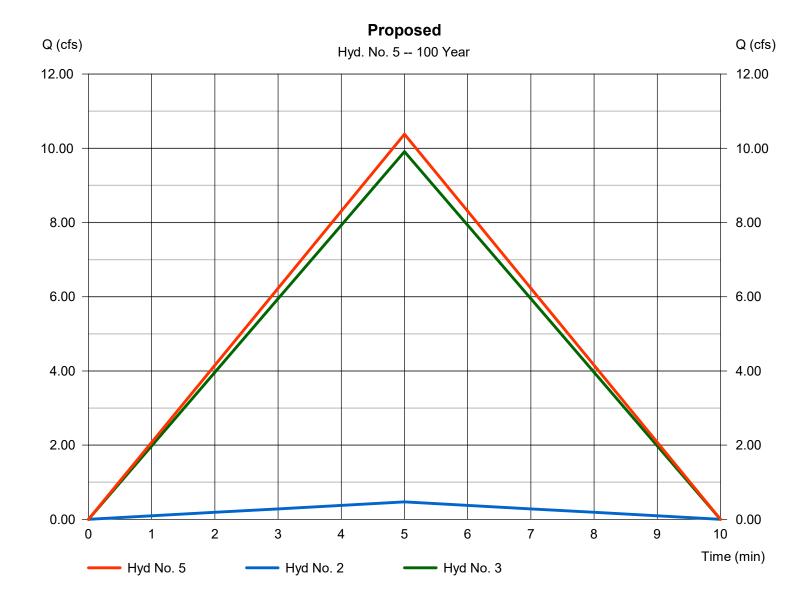


Thursday, 05 / 12 / 2022

Hyd. No. 5

Proposed

Hydrograph type = Combine Peak discharge = 10.38 cfsTime to peak Storm frequency = 100 yrs= 5 min Time interval = 1 min Hyd. volume = 3,115 cuft Inflow hyds. = 2, 3 Contrib. drain. area = 1.420 ac



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Return Period	Intensity-Duration-Frequency Equation Coefficients (FHA)								
(Yrs)	В	D	E	(N/A)					
1	47.7559	11.1000	0.8294						
2	71.8477	13.3000	0.8718						
3	0.0000	0.0000	0.0000						
5	75.7517	14.2000	0.8271						
10	86.7192	15.3000	0.8244						
25	103.3028	16.6000	0.8227						
50	116.5747	17.3000	0.8234						
100	124.5734	17.6000	0.8144						

File name: KCMO.IDF

Intensity = B / (Tc + D)^E

Return	Intensity Values (in/hr)												
Period (Yrs)	5 min	10	15	20	25	30	35	40	45	50	55	60	
1	4.76	3.81	3.19	2.76	2.44	2.19	1.99	1.83	1.69	1.58	1.48	1.39	
2	5.70	4.62	3.90	3.38	2.99	2.69	2.45	2.24	2.08	1.93	1.81	1.70	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	6.58	5.43	4.65	4.08	3.64	3.30	3.02	2.79	2.59	2.42	2.28	2.15	
10	7.25	6.05	5.21	4.59	4.12	3.74	3.43	3.17	2.95	2.77	2.60	2.46	
25	8.25	6.95	6.03	5.34	4.81	4.38	4.03	3.73	3.48	3.26	3.08	2.91	
50	9.05	7.66	6.67	5.92	5.34	4.87	4.48	4.16	3.88	3.64	3.43	3.25	
100	9.83	8.35	7.30	6.49	5.87	5.36	4.94	4.59	4.29	4.03	3.80	3.60	

Tc = time in minutes. Values may exceed 60.

Precip. file name: G:\KCS\Teams\LDVP\Reference - Other\IDF Information\KCMO 24.pcp

		Rainfall Precipitation Table (in)											
Storm Distribution	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr					
SCS 24-hour	3.00	3.60	0.00	4.60	5.40	6.30	7.00	7.90					
SCS 6-Hr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Huff-1st	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Huff-2nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Huff-3rd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Huff-4th	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Huff-Indy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Page 51 -	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					