

ORDINANCE NO. 7555

AN ORDINANCE AMENDING THE GARLAND DEVELOPMENT CODE OF THE CITY OF GARLAND, TEXAS, BY APPROVING (1) AN AMENDMENT TO TABLE 5-1 (SCHEDULE OF USES) OF PLANNED DEVELOPMENT (PD) DISTRICT 23-46 FOR MIXED USES AND (2) A DETAIL PLAN FOR A GROUND WATER STORAGE TANK USE ON A 16.335-ACRE TRACT OF LAND LOCATED AT 2301 LOOKOUT DRIVE PROVIDING FOR CONDITIONS, RESTRICTIONS, AND REGULATIONS; PROVIDING A PENALTY UNDER THE PROVISIONS OF SEC. 10.05 OF THE CODE OF ORDINANCES OF THE CITY OF GARLAND, TEXAS; PROVIDING A NOTICE OF CONDITIONS OF COMPLIANCE CLAUSE; PROVIDING A SAVINGS CLAUSE AND A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, at its regular meeting held on the 12th day of August 2024, the Plan Commission did consider and make recommendations on a certain request for (1) an Amendment to Table 5-1 (Schedule of Uses) of Planned Development (PD) District 23-46 for Mixed Uses and (2) a Detail Plan for a Ground Water Storage Tank Use by **JQ Infrastructure**; and

WHEREAS, the City Council, after determining all legal requirements of notice and hearing have been met, has further determined the following amendment to the zoning laws would provide for and would be in the best interest of the health, safety, morals, and general welfare:

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GARLAND, TEXAS, THAT:

Section 1

The Garland Development Code is hereby amended by approving (1) an Amendment to Table 5-1 (Schedule of Uses) of Planned Development (PD) District 23-46 for Mixed Uses and (2) a Detail Plan for a Ground Water Storage Tank Use. and being more particularly described in Exhibit "A," attached hereto and made a part hereof.

Section 2

Development shall be in conformance with the conditions, restrictions, and regulations set forth in the Garland Development Code.

Section 3

That a violation of this Ordinance shall be a misdemeanor punishable in accordance with Section 10.05 of the Code of Ordinances, City of Garland, Texas.

Section 4

NOTICE OF CONDITIONS OF COMPLIANCE: Notwithstanding the provisions of any other ordinance of the City, the full, complete, and continuing compliance with all the conditions, restrictions, and regulations of this Ordinance is a condition to the issuance and continuation of any permit, approval, authorization or consent by the City, including without limitation the issuance or continuation of any certificate of occupancy for any building or structure located on any portion of the property described in Exhibit "A". All promises, representations, obligations and undertakings made or assumed by the applicant to the City Council at any public presentation in connection with the granting of this Ordinance are hereby incorporated into and made a part of this Ordinance as if expressly set forth herein at length. No substantial deviation from any material portion of the conditions, restrictions, and regulations contained within this Ordinance are allowed except as may be provided by the City Council after a public hearing.

Section 5

That the Garland Development Code, as amended, shall be and remain in full force and effect save and except as amended by this Ordinance.

Section 6

That the terms and provisions of this Ordinance are severable and are governed by Sec. 10.06 of the Code of Ordinances of the City of Garland, Texas.

Section 7

That this Ordinance shall be and become effective immediately upon and after its passage and approval.

FILE NO. Z 23-07

PASSED AND APPROVED this 17th day of September 2024.

THE CITY OF GARLAND, TEXAS

Mayor

ATTEST:

City Secretary

Published:

EXHIBIT A

LEGAL DESCRIPTION

Zoning File Z 23-07

BEGINNING AT A "X" FOUND FOR CORNER AT THE INTERSECTION OF THE PRESENT NORTH LINE OF LOOKOUT DRIVE (AN 112 FOOT RIGHT OF WAY), WITH THE PRESENT WEST LINE OF TELECOM PARKWAY (AN 80 FOOT RIGHT OF WAY), ALSO BEING AT THE SOUTHEAST CORNER OF LOT 1, OF SAID SHILOH BUSINESS PARK;

THENCE S88°36'11"W, ALONG THE PRESENT NORTH LINE OF SAID LOOKOUT DRIVE, A DISTANCE OF 484.97 FEET TO A 5/8 INCH CAPPED IRON ROD FOUND FOR CORNER, BEING AT THE SOUTHWEST CORNER OF LOT 1, OF SAID SHILOH BUSINESS PARK, ALSO BEING AT THE SOUTHEAST CORNER OF THE REMAINDER PORTION OF LOT 8, OF SAID POT O' GOLD GARDENS;

THENCE S89°01'43"W, CONTINUING ALONG THE PRESENT NORTH LINE OF SAID LOOKOUT DRIVE, A DISTANCE OF 303.78 FEET TO A 1/1" IRF FOUND FOR CORNER;

THENCE S88°33'33"W, CONTINUING ALONG THE PRESENT NORTH LINE OF SAID LOOKOUT DRIVE, A DISTANCE OF 122.22 FEET TO A 5/8 INCH CAPPED IRON ROD FOUND FOR CORNER, BEING AT THE BEGINNING OF A RIGHT OF WAY ANGLE CLIP;

THENCE N55°39'45"W, ALONG SAID RIGHT OF WAY CLIP, A DISTANCE OF 99.00 FEET TO A TXDOT MONUMENT FOUND FOR CORNER, BEING AT THE INTERSECTION OF THE NORTHEAST LINE OF STATE HIGHWAY 190 (A VARIABLE RIGHT OF WAY);

EXHIBIT A

ZONING FILE NUMBER Z 23-07

THENCE N23°14'25"W, ALONG THE NORTHEAST LINE OF SAID STATE HIGHWAY 190, A DISTANCE OF 471.56 FEET TO A TXDOT MONUMENT FOUND FOR CORNER;

THENCE N19°13'19"W, A DISTANCE OF 158.87 FEET TO A TXDOT MONUMENT FOUND FOR CORNER, BEING AT THE SOUTHWEST CORNER OF THE REMAINDER PORTION OF THAT CALLED 8.84 ACRE TRACT OF LAND AS DESCRIBED TO NORTH TEXAS MUNICIPAL WATER DISTRICT, AS RECORDED IN VOLUME 872, PAGE 1706, OF THE OFFICIAL PUBLIC RECORDS OF DALLAS COUNTY, TEXAS;

THENCE N88°42'16"E, DEPARTING THE NORTHEAST LINE OF SAID STATE HIGHWAY 190, ALONG THE SOUTH LINE OF SAID NORTH TEXAS MUNICIPAL WATER DISTRICT TRACT, PASSING AT 620.32 FEET A 5/8 INCH CAPPED IRON ROD FOUND FOR REFERENCE AT THE SOUTHEAST CORNER OF SAID NORTH TEXAS MUNICIPAL WATER DISTRICT TRACT AND THE SOUTHWEST CORNER OF LOT 1, BLOCK A, OF TELECOM PARK, AN ADDITION TO THE CITY OF RICHARDSON, TEXAS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 97110, PAGE 9102, OF THE OFFICIAL PUBLIC RECORDS OF DALLAS COUNTY, TEXAS, CONTINUING ALONG THE SOUTH LINE OF SAID TELECOM PARK, IN ALL A TOTAL DISTANCE OF 1227.95 FEET TO A 5/8 INCH IRON ROD FOUND FOR CORNER IN THE WEST LINE OF SAID TELECOM PARKWAY;

THENCE S00°17'10"E, ALONG THE WEST LINE OF SAID TELECOM PARKWAY, A DISTANCE OF 646.88 FEET TO THE POINT OF BEGINNING AND CONTAINING 16.335 ACRES OR 711,549 SQUARE FEET OF LAND.

EXHIBIT A

PLANNED DEVELOPMENT CONDITIONS

ZONING FILE Z 23-07

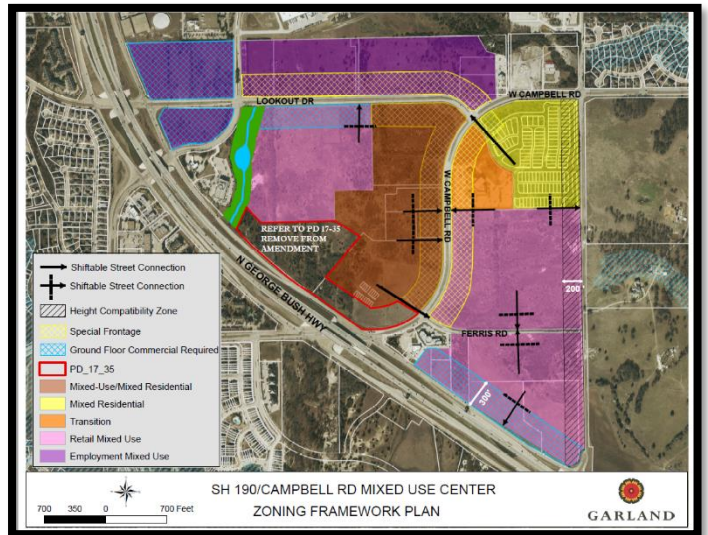
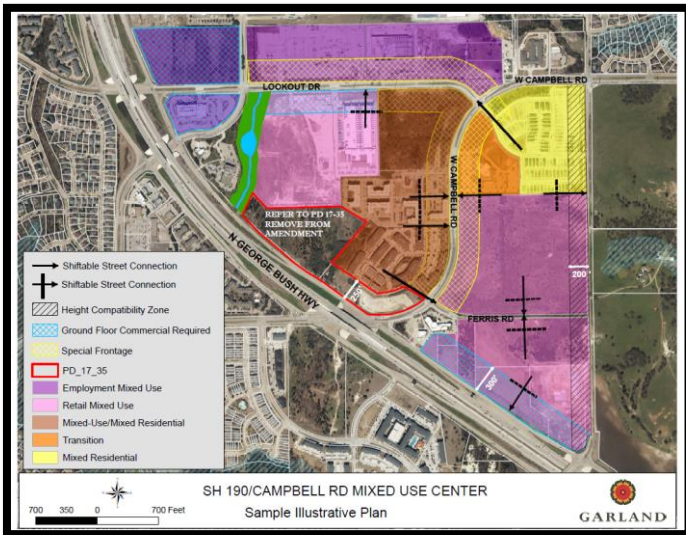
**Northeast of PGBT/SH 190, west of Holford Road, and south
of the City Limits line**

- I. Statement of Purpose:** The purpose of this Planned Development District amendment is to allow a Ground Storage Water Tank Use, provided the use is permitted by right and all other applicable requirements are met.
- II. Statement of Effect:** This Planned Development District shall not affect any regulation found in the Garland Development Code (GDC), Ordinance No. 6773, as amended prior to adoption of this ordinance, except as specifically provided herein.
- III. General Regulations:** All regulations in Ordinance 6773 Garland Development Code (GDC), are included by reference and shall apply, except as otherwise specified by this ordinance.
- IV. Development Plans:**
- Detail Plan: Development is to be in conformance with the approved Detail Plan labeled Exhibit C. In the event of conflict between the conditions and Detail Plan, the conditions listed below are to apply.
- V. Detail Plan:**
- A. Site Layout: The site shall be in conformance to the site layout reflected on Exhibit D.
- B. Screening and Landscaping: Screening and landscaping shall be in conformance to the layout reflected on Exhibit E.
- C. Elevations: The elevations shall be in general conformance to the elevations reflected on Exhibit F.
- VI. Specific Regulations:**
- A. Regulating Plan: All uses, conditions, processes and standards shall be as provided within Exhibit C.

City of Garland

SH 190/Campbell Mixed Use Center Planned Development District

June 8, 2015 -- Z 15-20
 AMENDED September 19, 2017 -- Z 17-35
 AMENDED August 18, 2020 -- Z 20-17
 AMENDED January 9, 2024 – Z 23-46



Created for



GARLAND

TEXAS MADE HERE

By:

GATEWAYPLANNING
A VIALTA GROUP PARTNER

UPDATES BY CITY OF GARLAND, AS INDICATED ABOVE

City of Garland SH 190/Campbell Mixed Use Center Planned Development District

Table of Contents

- I. Purpose and Intent
- II. Applicability
- III. SH 190/Campbell MUC-PD District Structure
- IV. Administration
- V. Schedule of Uses
- VI. Development Standards
 - A. General to all sites
 - B. Performance and Design Standards
 - C. Site Development Standards
- VII. Definitions

Appendices:

- A. Zoning Framework Plan
- B. Sample Illustrative Plans
- C. SH 190/Campbell MUC-PD District Structure and Review Process Flow Chart
- D. Street Design Standards and Typical Cross Sections

SH 190/Campbell Mixed Use Center Planned Development District

I. Purpose and Intent

The purpose and intent of the SH 190/Campbell Mixed Use Center Planned Development District (here after known as “MUC-PD”) is to implement the City’s vision for a vibrant and sustainable approach to the development of SH 190 Corridor and to encourage the continuation of the Telecom Corridor® through Garland by becoming a center for major employment office, technology, healthcare and support services, while encouraging, where feasible, a mix of complementary uses including housing, retail, offices, commercial services, and civic uses, supporting long term attractiveness for both employment uses and neighborhood uses. Specifically, the MUC-PD is intended to:

- A. Create short-term development momentum while allowing for long-term market opportunities for larger-scale employment uses;
- B. Establish a high level of development standards to create development of exemplary and enduring quality that fits into the City’s vision including Envision Garland 2030 as amended;
- C. Encourage the development of vertical and horizontal mixed-use areas that are safe, comfortable and attractive to pedestrians while protecting significant environmentally sensitive areas;
- D. Provide flexibility on the site and with design of new development to anticipate changes in the marketplace while establishing human-scaled buildings;
- E. Leverage the frontage and access to SH 190 and other regional corridors while preserving environmentally significant areas as “features” and not constraints, encouraging destination retail and other uses along the SH 190 Corridor with adjacent transitions to sustainable mixed use development patterns so that destination uses directly along the corridor are accessible internally by walking, cycling and driving;
- F. Create a variety of connected community gathering places and passive open spaces with trails to make walking and biking easy from one place to another and connect to off-site trails;
- G. Include a range of residential options that reflect changing lifestyles considering both market demand and City preferences;
- H. Provide appropriate transitions to protect adjacent neighborhoods and to promote sustained value;
- I. Encourage efficient uses of land; and
- J. Utilize existing and future transportation and parking assets efficiently in order to optimize both auto traffic on surrounding streets and on-site parking demand through design strategies and policy incentives that support use of multiple modes of transportation.

II. Applicability

- A. The MUC-PD District (this Code) applies to the property shown as the PD 15-20 on the Zoning Map and the boundaries are as established in the Zoning Framework Plan in Appendix A.
- B. The provisions of the MUC-PD District (this Code), when in conflict, shall take precedence over those in the Garland Development Code (GDC) as amended except as noted herein. Development standards not addressed in this Code shall be governed by the GDC to the extent they are not in conflict with the intent of the MUC-PD District standards.

III. SH 190/Campbell MUC-PD District Structure

A. MUC-PD District Structure: The following plans establish the structure within which the details of the PD District are calibrated to a specific Detail Plan (DP) at the time of development. The Sample Illustrative Plans (Appendix B) are included to provide an overall guidance on the desired pattern and character of development envisioned under this code while the Zoning Framework Plan (Appendix A) establishes the major street network and character zone allocations within the PD District.

1. Sample Illustrative Plans – are plans generated for different areas of the MUC-PD District that provide guidance on the intended character and layout of development based on the context and vision for the different character zones. These are to be used as prototypical development scenarios that would form the ultimate Detail Plan by the individual developers/property owners. The Sample Illustrative Plans illustrate important principles of planning a mixed use, walkable neighborhood.
2. Zoning Framework Plan – is the plan that is adopted at the time of creation of this PD and associated rezoning and establishes the different Character Zones and the major street network envisioned for MUC-PD District. Using the Zoning Framework Plan (ZFP) (Appendix A) and this Code, an applicant shall specify certain details of the development and may refine ZFP elements at the time of DP per the criteria established in this Code.

Five (5) Character Zones are established within the MUC-PD, each of which implements specific aspects of the vision for a regional mixed use destination with significant employment and residential uses. Prior to any new development within these areas, a Detail Plan (DP) consistent with the adopted ZFP (Appendix A) and this PD shall be developed by the applicant/property owner or developer. However, Data Centers, where permitted by right, are not required to submit a Detail Plan and may proceed to Site Permit and Building Permit review, provided all applicable zoning and technical requirements are met.

- i. Employment Mixed Use Zone (EMU): This is the Character Zone the area adjacent to the SH 190 frontage and along Lookout Drive. This zone is appropriate for the long-term development of large-scale regional employment and office uses due to its proximity to the Telecom Corridor®. The direct access to regional roadways including SH 190 offers adequate capacity for such an employment hub. The major roadway frontages along SH 190, Lookout Drive, and Telecom Parkway are not appropriate for ground floor residential uses. The vision for this zone is mid-to high-rise office buildings with structured parking.
- ii. Retail Mixed Use Zone (RMU): This is the area adjacent to SH 190 with access conducive to destination and regional retail uses. This area shall contain design and development standards that allow for retail and office uses; but that also encourage connections and transitional uses with the adjacent development.
- iii. Mixed Use-Mixed Residential Zone (MU-MR): This area is the core mixed use development opportunity for the area, linking the other areas together and encouraging development standards and uses that create a variety of higher density residential types as well as office and retail uses that do not require visibility

from SH 190, but in a walkable development context.

- iv. Transition Zone (T): This area is located to provide opportunities for residential and neighborhood serving smaller scale professional office and retail within a design context that respects the scale of the adjacent Mixed Residential Zone (MR).
 - v. Mixed Residential Zone (MR): This area is primarily residential in character and intended to provide a transition to the single family neighborhoods to the northeast. This area shall provide a variety of lower density attached and detached housing types within a walkable context including integrated small open spaces.
3. Detail Plan – A Detail Plan shall establish the exact location of Character Zones, land uses and open spaces, blocks, lots, building and street layout, treatment of transition areas to adjacent uses and any other appropriate information required by this PD. The Detail Plan shall illustrate the design direction of the site with dimensional standards that provide substantial certainty about the development outcomes, intensity, and phasing of the proposed development. It shall be created and submitted by the applicant/developer prior to any new development within the MUC- PD in conformance with DP applications as established in Section IV.B.2. of this Code. A Detail Plan shall meet the standards established in the Zoning Framework Plan and this PD and shall be developed for a minimum acreage even if the actual development is phased.
- i. Minimum Acreage Required: The minimum acreage required for any initial Detail Plan shall be no smaller than any one of the following: (1) all the contiguous property under one single ownership; or (2) all property under one Character Zone as established in the adopted Zoning Framework Plan; or (3) all property circumscribed by any proposed new or existing streets per the Zoning Framework Plan.
 - ii. Amendments to Approved Detail Plans: After the initial Master Detail Plan approval, subsequent amendments to approved DPs shall include the entire area of the initial Detail Plan approval regardless of the standards in III.A.3.i. above.

Detail Plans also include the lot and building(s) level plans and shall be required for individual lots and/or buildings subject to Public Hearing by Planning Commission and City Council approval for all development, with the exception of Data Centers in accordance with Section III (2), prior to Site Permit and Building Permit review. The approval process for DPs shall be based on the process established for DP applications in Section IV.B.3 of this PD and as outlined within Section 2.12 of the GDC.

IV. Administration

- A. General: No building or structure may be erected or moved unless in conformity with this MUC-PD.
- B. Authority for Approval (See Appendix C for a flow chart illustrating the Application Process):
 1. Zoning Framework Plans [a Zone Change to this PD's established Character Area zoning districts (a Zone Change may include a Detail Plan in conjunction with the Zoning Framework Plan)]: may only be approved by City Council after recommendation by the Plan Commission. The process for Zoning Change applications in Chapter 2, Article 2, Division 1 of the GDC shall be followed. Modifications to adopted ZFPs may also be processed in conjunction with DP applications per IV.B.2 below.
 2. Detail Plan Applications.

- i. May only be approved by City Council after recommendation by the Plan Commission.
 - a. The process shall follow the process Section 2.12 of the GDC. In considering Detail Plan Applications, the Plan Commission and the City Council may use any of the following criteria:
 - 1) The extent to which the proposed modifications to street layout and/or character zones impact adjoining properties with respect to continuity and adjacency predictability;
 - 2) The overall purpose and intent of the regional Mixed Use Center;
 - 3) The extent to which the proposal fits the adjoining design context by providing appropriate building scale and use transitions;
 - 4) The extent to which the proposal provides public benefits such as usable civic and open spaces, livable streets, affordable housing, structured and/or shared parking, and linkages to transit; and
 - 5) The extent to which the proposal does not hinder future opportunities for higher intensity development.
 - 6) The extent to which the proposed application impacts adjoining properties with respect to continuity and adjacency predictability;
 - 7) The extent to which the application meets the overall purpose and intent of the regional Mixed Use Center;
 - 8) The extent to which the proposal fits the adjoining design context by providing appropriate building scale and use transitions;
 - 9) The extent to which the application provides public benefits such as usable civic and open spaces, livable streets, affordable housing, structured and/or shared parking, and linkages to transit; and
 - 10) The extent to which the application does not hinder future opportunities for higher intensity development.

C. Detail Plan Requirements:

- 1. The Detail Plan is intended to illustrate the building and block level development pattern of the MUC-PD District consistent with the purpose and intent of the Section and establish the detailed standards and rules for any new development within the MUC-PD District and the corresponding Character Zones.
- 2. The applicant shall submit a Detail Plan for the minimum acreage as established in Section III.A.3.i.
 - i. Each Detail Plan application shall:
 - a. demonstrate compliance with this PD's purpose, intent, and development standards;
 - b. include exhibits meeting all the informational requirements for under Section 2.11 of the GDC, and meeting the standards of this PD and adopted ZFP including:
 - 1) Delineation of the Character Zones per the adopted ZFP (including any modifications to adopted ZFP elements);
 - 2) The layout of proposed blocks, major and minor streets, bikeways, sidewalks, and trails;
 - 3) the location and acreage of open space areas and whether each will be

privately owned, a common area for residents only or dedicated to public use;

- 4) Type “A” and “B” Development Frontage designations based on the standards in this PD.
- 5) A conceptual level plan for the accommodation of stormwater drainage and detention and other major water and sewer infrastructure elements for the overall area included in the Detail Plan;
- 6) The location and area of retail, office, industrial, residential, civic, and open space uses;
- 7) The approximate shape, size, and placement of buildings;
- 8) The general parking location relative to streets and buildings and approximate parking count, with indication of parking lot landscape areas; and
- 9) Any minor modifications to adopted ZFP elements per Table 4-1 below.

Table 4-1: Minor Modifications Table		
Framework Plan Element	Extent of Minor Modification Permitted	Criteria
a. Area/boundary of a Character Zone	Area/boundary of a specific Character Zone may be adjusted no more or less than 30%.	<ol style="list-style-type: none"> i. Shall not eliminate any character zone ii. Modified area shall be contiguous with the corresponding character zone that is changed iii. Boundary modifications may be due to physical constraints on the property, or shifting of internal roadways or to better align with ownership boundaries.
b. Location of any Required Street	Location may be shifted no more than 150' in any direction	<ol style="list-style-type: none"> i. Shall maintain the connectivity intended by the Framework Plan ii. Shall maintain the continuation and/or connectivity with any existing streets or driveways where possible
c. Area of any Required Civic/Open Space	May be reduced by no more than 25%	<ol style="list-style-type: none"> i. Shall maintain the frontages required by the Framework Plan ii. Area may be adjusted to accommodate shifting of any new Required Streets or any required easements only

- c. Include a Street Classification Master Plan with associated with cross-sections and street classifications for the proposed Detail Plan area (or for each phase, if it is to be developed in phases) specifying right-of-way width, minimum pavement width, on-street parking, approximate location of street trees, bikeways and sidewalks (Appendix D, Institute of Transportation Engineers' Designing Walkable Urban Thoroughfares manual or NACTO's Urban Street Design Guide shall be used to guide the development of the proposed cross sections in lieu of the street standards in the GDC. See Definitions for complete citation).
- d. Include a report in the form of text, statistical information, tables, guidelines, and graphics that includes:
 - 1) a statement of the purpose and intent of the proposed development consistent with the vision and ZFP for the MUC-PD District and its Character

Zones;

- 2) a description of the mix of land uses and the factors which ensure compatibility both within the development site, with adjacent land uses, and compliance with the recommendations of all the adopted elements of the Comprehensive Plan;
- 3) any special standards for signage in the form of a Master Sign Plan application that provides a design palette addressing the location, size, type, lighting, colors, and materials for all signage in the proposed development unless meeting the Sign Regulations in Chapter 4, Article 5 of the GDC;
- 4) statistical information including:
 - a) gross acreage of the site, and net acreage of the site excluding jurisdictional wetlands, regulatory floodplains, and slopes over 20%;
 - b) the amount of land devoted to open space, both in acres and as a percentage of the gross acreage of the site;
 - c) the amount of land devoted to retail, office, industrial, residential, and civic uses;
 - d) a plan for pedestrian, bicycle, and vehicular circulation describing the general design capacity of the system as well as access points to any regional trail system;
 - e) a daily and peak hour trip generation and directional distribution report by use unless the Director of Transportation finds that the traffic to be generated by the proposed development does not warrant the preparation and submission of a study;
 - f) the maximum allowable building coverage and height; and
 - g) the minimum and maximum building setbacks.
- e. Development standards for the proposed development that meet Section VI.B of this PD and specifying standards for all the “flexible” elements by each Character Zone within the specific Detail Plan area in the form of a table (see Table 6-3 in Section VI for criteria and format);
- f. Compliance with frontage and housing mix and type standards in Section VI.A.4 for the specific Character Zones and locations to be included with the DP;
- g. Building design and general architectural design standards that meet Sections VI.A.8 and VI.A.9 of this PD for the proposed development specifying general materials and configurations permitted for facades, roofs, and openings;
- h. A landscape plan that includes the design direction and general for streetscapes and public/open spaces types; and
- i. A non-binding schedule for the entire development (or for each phase, if it is to be developed by phases), which shall show generally how the applicant will complete the project containing the following information:
 - 1) The proposed order of construction by section delineated on the Detail Plan;
 - 2) The proposed schedule for construction of improvements to open space areas; and
 - 3) The proposed schedule for the installation of required public streets, utilities

improvements and the dedication of public rights-of-way and/or easements.

D. Additional Requirements for Detail Plans and Minor Amendments to Approved Detail Plans:

1. Detail Plan Requirements: A Detail Plan shall be required for all development. Detail Plans within the MUC-PD District shall meet the submittal requirements for Detail Plans established under the Section 2.12 of the GDC. Additional information that adequately illustrates the detail plan's compliance with this PD and the applicable Detail Plan shall also be required. The process for approval of Detail Plans is established in Section IV.B.3 of this PD and within Chapter 2, Article 2, Division 2 of the GDC.
2. The Director of Planning may approve minor changes to a previously approved Detail Plans with the applicant's written justification for such changes. Any significant changes to and deviations from approved Detail Plans shall be regarded as an amendment to that particular plan and may be reviewed by the Director of Planning and processed per the standards established in this PD. The Director of Planning shall make the determination as to whether a proposed change is minor or significant, based upon consideration of the following facts:
 - i. whether the proposed change substantially alters the arrangement of component zones, buildings or changes the use of building space designated on the original plan;
 - ii. whether there is an increase of greater than 10% in the number of residential dwelling units beyond the threshold established in the approved DP;
 - iii. whether the proposed change substantially alters vehicular circulation or the placement/ arrangement of parking areas; or
 - iv. whether the proposed change will reduce or lessen the effectiveness of open space, landscape buffers, and edges.

V. Schedule of Uses

- A. No permit may be issued for a use that is not allowed by this MUC-PD.
- B. Use Categories: In order to regulate use, categories of uses have been established. Use categories provide a systematic basis for assigning land uses to appropriate categories with other, similar uses. Use categories classify land uses and activities based on common functional, product, or physical characteristics. Characteristics include the type and amount of activity, the hours of operation, the type of customers or residents, how goods or services are sold or delivered, likely impact on surrounding properties, and site conditions.
- C. Principal Uses: Allowed principal uses by MUC-PD District and Character Zones are listed in Table 5.1 Permitted Use Table. Principal uses are grouped into categories of uses (see Definitions for description of land use categories). The example uses listed are not an exhaustive list. The Director of Planning has the responsibility for categorizing all uses.
- D. Accessory Uses: The following standards shall apply to Accessory Uses:
 1. Unless otherwise expressly stated, accessory uses are permitted in conjunction with allowed principal uses. Accessory uses shall be accessory and customarily incidental and subordinate to a permitted principal use.
 2. No accessory use may be established on a site prior to the establishment of a permitted principal use.

3. The Director of Planning is authorized to determine when a structure or use meets the definition of an accessory use. In order to classify a structure or use as accessory, the Director of Planning must determine that the use:
 - i. Is subordinate to the principal use in terms of area, extent and purpose;
 - ii. Contributes to the comfort, convenience or necessity of occupants of the principal use served;
 - iii. Is located on the same lot as the principal structure or use, or on a contiguous lot in the same ownership;
 - iv. Does not involve operations not in keeping with the character of the principal use served; and
 - v. Is not of a nature likely to attract visitors in larger numbers than would normally be expected for the principal structure or use.
 4. Home Occupations: Standards in Section 2.61 of the GDC shall apply.
 5. Live-Work Uses and Structures: Live-Work uses and structures are permitted per Section V of this PD. A live-work structure is a mixed use building type with a dwelling unit that is also used for work purposes, provided that the 'work' component is (1) restricted to the uses of professional office, personal service, cottage industrial, artist's workshop, studio, or other similar uses, (2) is located on the street level and ground floors constructed to Commercial Ready standards, and (3) is constructed as separate units under a condominium regime or as a single unit. The 'live' component may be located on the street level (adjacent to the work component) or any other level of the building. Live-work dwelling is distinguished from a home occupation otherwise defined by this Section in that the "work" component is not required to be incidental and secondary to the "live" component. The business owner or a full-time employee may reside in the residential unit associated with the commercial use.
- E. Accessory Structures: All accessory structures shall be clearly subordinate to the principal structure on the lot. All accessory structures shall meet the applicable principal structure standards per the Character Zone unless alternative standards are proposed by the applicant and adopted as part of the DP approval.

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

Table 5-1 Schedule of Uses

	EMU – Employment Mixed Use	RMU – Retail Mixed Use	MU-MR – Mixed Use – Mixed Residential	T – Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
AGRICULTURE USES						
Farm, Ranch, Orchard						-
Feed Store						-
Stable, Commercial						-
Stable, Private						-
Stockyards, Livestock Auction, Livestock Hauling						-
RESIDENTIAL USES						
Accessory Dwellings:	-	-	-	-	-	-
Dwelling, Accessory – Guard/Manager/Caretaker					P	Sec. 2.58
Dwelling, Accessory – Guest House					P	Sec. 2.58
Dwelling, Accessory – Rental Unit					P	Sec. 2.58
Congregate Adult Living Facilities:	-	-	-	-	-	-
Rehabilitation Facility, In Home/Residential		S	S	S	S	-
Rehabilitation Facility, Institutionalized						-
Elder Care Facilities:	-	-	-	-	-	-
Elder Care – Assisted Living	S	S	S	S		Sec. 2.52(A)12
Elder Care – Continuing Care (combination)	S	S	S	S		Sec. 2.52(A)12

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Elder Care – Independent Living			P		p*	Sec. 2.52(A)12 P* = Permitted in duplex, triplex, quadplex, and single-family (attached and detached) building types only
Elder Care – Nursing/Convalescent Care	S	S	S	S		Sec. 2.52(A)12
Household Living Units:	-	-	-	-	-	-
Dwelling, Two-Family (duplex)			P	P	P	Sec. 2.38
Dwelling, Industrialized Housing Unit						Sec. 2.36
Dwelling, Manufactured/HUD-Code Home						-
Dwelling, Mobile Home						-
Dwelling, Multi-Family			P			Sec. 2.39 (see exception below) The GDC requirement for 2 swimming pools for MF Developments over 250 units may be reduced to 1 swimming pool in addition to any reduction of required Clubhouse area with the Planning Director’s approval through the Detail Plan process.
Dwelling, Live/Work	P	P	P	P		-
Dwelling, Single-Family Detached			P*		P*	Sec. 2.36 P* implies Section VI.A.4.i and Section VI.A.4.ii applies P implies only Section VI.A.4.i applies

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Dwelling, Single-Family Attached (Townhouse)		P	P	P	P	Sec. 2.37
Manufactured/Mobile Home Park or Subdivision						-
ACCESSORY & TEMPORARY USES						
Accessory Structure			P	P	P	Sec. 2.58
Convenience Facilities:	-	-	-	-	-	-
Drive-Through Service		S				Sec. 4.20 Standards in Section 7 of this PD also apply
Walk-Up Service	P	P	P	P		-
Fuel Pumps, Retail		S				Sec. 2.52(A)3 Standards in Section 7 of this PD also apply
Kiosks, Self-Service:	-	-	-	-	-	-
Automated Teller Machine (ATM) – Drive-Up	P	P	S	S		Sec. 2.52(A)7, Sec. 4.20
Automated Teller Machine (ATM) – Walk-Up	P	P	P	P		Sec. 2.52(A)7
Retail (ice, water, etc.)		S				Sec. 2.52(A)7, Sec. 4.20
Recycled Materials Collection						
Outside Display, New Materials		S				Sec. 2.52(A)14
Outside Display, Used Materials						
Outside Storage, New Materials		S				Sec. 2.52(A)14
Outside Storage, Used Materials						
Outside Storage Unit, Portable (POD)						
Seasonal Sales	*	*	*	*		Art. VIII, Ch. 30, City Code

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Shelter Tent						-
Shipping Container						Sec. 2.52(A)15, Art. XII, Ch. 30, City Code
Temporary Building/Office (field office, construction office, subdivision sales office, etc.)	*	*	*	*	*	Sec. 2.52(A)19
INSTITUTIONAL AND EDUCATIONAL						
College or University	P	P				-
Convention Facility	P	S	S			-
Day Care Facilities:	-	-	-	-	-	-
Day Care Center, Adult	S	P	S	S	S	Sec. 2.52(A)13
Day Care, Youth – Licensed Child-Care Center	P	P	S	S	S	Sec. 2.52(A)2
Day Care, Youth – Registered Child-Care Home			S	S	S	Sec. 2.61
Church or Place of Worship	P	P	P	P	P	-
Learning Center, Specialized	P	P	S	S		-
School, Business	P	P	P			-
School, Retail/Personal Services Training	P	P	P			-
School, Trade						-
School, Private, Religious or Charter			S	S	S	-
School, Public			P	P	P	-
Charitable Boarding						-
Garden, Charitable						-
Garden, Civic			P	P	P	-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU – Retail Mixed Use	MU-MR – Mixed Use – Mixed Residential	T – Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
GOVERNMENT & HUMAN SERVICES USES						
Post Office	P	P	P	P		-
Social Service Facility/Agency		P	P	P		-
MEDICAL & HEALTH SERVICES USES						
Cemetery						
Hospital	S	S			-	
Medical and Dental Office/Clinic	P	P	P	P	-	-
Mortuary/Funeral Home						
RECREATIONAL, SOCIAL AND ENTERTAINMENT USES						
Athletic Events Facility, Indoor		P	P		-	-
Athletic Events Facility, Outdoor						
Athletic Field, Stadium, Arena	S	S				
Civic Club/Fraternal Lodge		P	P	S		
Commercial Amusement, Indoor		P	S			
Commercial Amusement, Outdoor						
Commercial Amusement, Indoor		P	S		-	-
Commercial Amusement, Outdoor						-
Cultural Facility	P	P	P	P		-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Day Camp, Private						-
Dry Boat Storage						-
Equestrian Camp, Private						-
Golf Course/Country Club						-
Health & Fitness Gym (indoor)	P	P	P	P		-
Marina						-
Public Amusement, Temporary	*	*	*	*		Art. VIII, Ch. 30, City Code.
Racing Track						-
Reception Facility		S				Sec. 2.52(A)20
Recreational Vehicle Park (short-term stays only)						-
Shooting Range, Indoor						-
Shooting Range, Outdoor						-
Theater, Large Scale		P				-
Theater, Small Scale	S	P	P			-
Zoo						-
OFFICE, RETAIL & SERVICE USES						
Alternative Financial Establishment						-
Antique Shop (indoors only)		P	P	P		-
Bait Sales, Live						-
Bakery, Retail	P	P	P	P		-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Bed and Breakfast						Sec. 2.52(A)11
Business & Media Service	P	P	P	P		-
Call Center	P	P	P			-
Commercial Blood, Plasma, Tissue and Cell Collection Center						Sec. 2.52(A)26
Convenience Store (1,000-5,000sf)	P	P	P	S		Sec. 2.52(A)1
Financial Institution	P	P	P	P		Sec. 4.20
Flea Market, Indoor						-
Flea Market, Outdoor						-
Furniture, Household Furnishings and Appliance Sales/Rental		P	P			-
Grocery/Supermarket (>5,000sf)	S	P	P			-
Home Improvement Center (>50,000sf)		S				-
Hotel/Motel, Extended Stay	S	S	S			Sec. 2.52(A)11
Hotel/Motel, Full Service	P	P	P			Sec. 2.52(A)11
Hotel/Motel, Limited Service	S	S	S			Sec. 2.52(A)11
Indoor Shopping Mall						-
Kiosk, Trailer or Mini-Structure (attended):	-	-	-	-	-	-
Retail/Service	S	P	P			Sec. 2.52(A)7, Sec. 4.20
Recycled Materials Collection						

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Landscape Nursery (retail)		S				-
Landscape Nursery/Tree Farm (wholesale)						Sec. 2.52(A)17
Laundry, Drop-Off (with drive-through or window)	S	P	S			Sec. 4.20
Laundry, Drop-Off (without drive-through or window)	P	P	P	P		-
Laundry, Self-Serve (Laundromat)						-
Office, General	P	P	P	P		-
Pawn Shop						-
Personal Services	P	P	P	P		-
Pet Store (indoors only)	P	P	P			-
Pharmacy (with drive-through or window)	S	P	S			Sec. 4.20
Pharmacy (without drive-through or window)	P	P	P	P		-
Produce Stand/Outdoor Farmers Market		P	P	S		-
Restaurant (No Drive-Through)	P	P	P	P		-
Restaurant, Drive-Through		P	S			Sec. 4.20
Retail Store	P	P	P	P		-
Sexually Oriented Business						-
Smoke Shop						-
Studio, Arts/Crafts	P	P	P	P		-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Studio, Fitness or Performing Arts	P	P	P	P		-
Tattooing/Body Piercing Establishment						Sec. 2.52(A)6
Used Goods, Retail Sales (Indoors)		S				-
COMMERCIAL USES						
Bakery, Commercial						-
Building/Garden Materials Sales & Storage (wholesale)						Sec. 2.52(A)23
Bulk Material Sales & Storage (retail or wholesale)						Sec. 2.52(A)18
Contractor’s Office/Storage Yard (outdoor storage)						Sec. 2.52(A)24
Contractor’s Office/Warehouse (indoors only)						-
Custom Products Manufacturing	P					-
Equipment Leasing/Rental, Indoor						-
Equipment Leasing/Rental, Outdoor						Sec. 2.52(A)25
Feed/Grain Mill						-
Furniture and Appliance Cleaning/Repair						-
Garden, Commercial						-
Laundry Plant, Commercial						-
Meat and Game Processing						-
Pet Care/Play Facility (indoor)	P	P	P	P		Sec. 2.52(A)9

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Pet Care/Play Facility (outdoor)						Sec. 2.52(A)9
Portable Building Sales/Leasing						-
Printing/Publishing House		S	S			-
Recording Studio/Media Production	P	P	P			-
Recycling Collection Center (no outdoor storage)						Sec. 2.52(A)8
Recycling Salvage Yard (unlimited outdoor storage)						Sec. 2.52(A)8
Self-Storage Facility (mini-warehouse)		S				Sec. 2.52(A)16
Small Engine/Lawn Equipment Rental & Repair (indoors)						-
Taxidermist						-
Vehicle Dispatch & Storage						-
Veterinary Clinic, Large Animal (outdoor pens)						-
Veterinary Clinic, Small Animal (indoors only)	P	P	P	P		-
Veterinary Clinic, Small Animal (outdoor kennels, runs)						-
MOTOR VEHICLE & RELATED USES						
Automobile Leasing/Rental						-
Automobile Repair, Major						
Automobile Repair, Minor						
Automobile Sales, New or Used						-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Boat Sales, Leasing & Repair (outdoor storage)						
Car Wash, Automated/Rollover						
Car Wash, Full-Service/Detail		S				
Car Wash, Self-Service/Wand						
Impoundment Lot (commercial/private)						-
Motorcycle/ATV Sales, Leasing & Repair (new and used – indoors only)						-
Parking Lot or Garage, Commercial	P	P	P			-
Personal Watercraft Sales, Leasing & Repair (new and used)						-
Recreational Vehicle/Trailer Sales, Leasing & Repair						-
Salvage Yard, Automotive						-
Travel Center						-
Truck/Bus Repair						-
Truck/Bus Sales & Leasing/Rental						-
Truck/Bus Storage						-
Truck/Bus Wash						-
Wrecker/Towing Service						-
TRANSPORTATION USES						
Airport/Heliport						-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Bus Stop	P	P	P	P		-
Helipad	S					-
Motor Freight Terminal/Railroad Switching Yard						-
Transit Station, Public	P	P	P			-
Transportation Depot, Passenger (commercial)						
Transportation Terminal, Passenger (commercial)						-
INDUSTRIAL USES						
Animal Feed Processing & Storage						-
Batching Plant						-
Batching Plant, Temporary	P	P	P	P	P	-
Data Center	P	P	P			Design standards in Section VI.A.10 shall apply
Distribution Center, Large (indoors only)						-
Distribution Center, Small (indoors only)	S					-
Food Processing & Storage						-
Gas or Petroleum Drilling or Pipeline						
Heavy Machinery Sales, Rental, Storage & Repair						-
High Risk Use						-

P

The land use is allowed by right in the zoning district indicated.

The land use is prohibited in the zoning district indicated.

S

The land use is allowed only upon approval of a Specific Use Provision (SUP) in the zoning district indicated.

	EMU – Employment Mixed Use	RMU - Retail Mixed Use	MU-MR - Mixed Use – Mixed Residential	T - Transition	MR – Mixed Residential	Cross-Reference(s) for Special Standards
Industrial or Manufacturing, Heavy						-
Industrial or Manufacturing, Light						-
Laboratory, Analytical or Research (indoor)	P					-
Leather & Allied Products Manufacturing						-
Mining/Mineral Extraction						-
Warehouse, Office/Showroom (indoors only)	S					-
UTILITY & SERVICE USES						
Antenna, Commercial	*	*	*	*	*	Div. 5, Art. 5, Ch. 2
Antenna, Private	*	*	*	*	*	Div. 5, Div. 6, Art. 5, Ch. 2
Electric Generating Plant						-
Electric Substation	S	S	S			-
Gas Regulating Station						-
Ground Water Storage Tank	P					-
Telecommunications Switching Station	S	S				-
Wind Energy Conversion System	S	S	S	S	S	Div. 7, Art. 5, Ch.2

VI. Development Standards: This section shall establish the overarching development standards for walkable, mixed-use development within the MUC-PD and all its Character Zones. Standards in this Section shall be applied during the development of a Detail Plan. Some standards apply to all the Character Zones within the MUC-PD District and other standards are specific to specific Character Zones.

A. General to the MUC-PD:

1. Intent: Standards in this PD are intended to facilitate the development of market responsive and pedestrian-friendly environments while discouraging monotonous and single use projects. To this end, design and development standards are intended to be tailored to create such an environment based on market-driven projects over a long- term development horizon. In order to provide flexibility in use and design with prescription of performance standards for specific building form outcomes, applicable development standards for each Character Zone shall be established through the Detail Plan for each proposed development.
2. Requirements for Site Development Standards by Character Zone: At the time of Detail Plan application, each applicant shall establish specific Site Development Standards for each Character Zone included in the Detail Plan area. These standards shall be based on Section VI.A and the criteria in the Site Development Standards Table 6-3 and shall be developed at the time of Detail Plan by the applicant.
3. General Layout Principles: All Detail Plans shall meet the following general principles:
 - i. Buildings and urban design shall contribute to the physical definition of Thoroughfares as Civic places.
 - ii. Development shall adequately accommodate automobiles while providing supportive design and programs/incentives to increase the use of other modes of transportation and respecting the spatial form of public areas.
 - iii. Buildings shall provide their inhabitants with a clear sense of geography and climate through energy efficient methods.
 - iv. Civic Buildings and public gathering places shall be provided as locations that reinforce community identity.
 - v. The plan should anticipate a harmonious and orderly evolution of the district based on market changes and reinvestment over time.
4. Frontage and Housing Mix Standards: In order to ensure that the PD implements the community's vision for a regional mixed use center with supporting mix of retail and mixed residential uses while providing for short term development opportunities that can be appropriately transitioned into higher intensity non-residential uses, Special Frontage and Housing Mix Standards are established in this MUC-PD District.
 - i. Frontage Standards: This section establishes the Frontage Standards for development within the primarily commercial zones of Employment Mixed Use, Retail Mixed Use, and Transition Zones and along certain street frontages as established in the ZFP.
 - a. Retail Mixed Use Zone (see Appendix A – Zoning Framework Plan for location of this requirement):
 - 1) Required Ground Floor Commercial Uses (see definition) along PGBT frontage road:
 - i. West of Campbell Road shall be within 250' deep as measured from the PGBT frontage road.
 - ii. East of Campbell Road shall be 300' deep as measured from the PGBT frontage road
 - 2) No ground floor residential permitted within the area designated for Ground Floor Commercial uses.

- 3) Upper floor residential allowed anywhere within this zone.
 - 4) No limitation on surface parking along the PGBT frontage. Along Campbell Road frontage, surface parking shall be limited to no more than one double loaded aisle of parking (parallel, angled, or head-in).
- b. Employment Mixed Use Zone (applies to the blocks on both sides of Lookout Drive west of Telecom Drive and EMU area south of Lookout Drive and east of Telecom Drive; see Appendix A – Zoning Framework Plan for location of this requirement):
- 1) Required Ground Floor Commercial Uses for the entire zone.
 - 2) No ground floor residential uses permitted.
 - 3) Upper floor residential allowed anywhere within this zone with structured parking only.
 - 4) No limitation on surface parking along the PGBT frontage. Along Lookout Road and Telecom Road frontage, surface parking shall be limited to no more than one double loaded aisle of parking (parallel, angled, or head-in).
- c. The following standards shall apply to frontages designated as “Special Frontage” along Lookout Road and Campbell Road (regardless of the specific character zone):
- 1) For ground floor commercial and commercial ready uses (w/ upper floor residential uses) the following frontage standards shall apply–
 - No more than one double loaded aisle of parking (parallel, angled, or head-in) shall be permitted between the building and the street.
 - Any such parking shall be screened along the sidewalk/street frontage to maintain a well-defined pedestrian edge with street trees and connections to building entrances.
 - Street intersections shall be anchored by building front façade design that turns the corner
 - No large parking lots at street intersections (beyond the one double-loaded aisle) and
 - Special façade design, articulation standards, 12’ min. ground floor height, shall apply (see Section VI.A.8).
 - 2) For ground floor residential uses, including SF and townhomes (attached or detached-- by no more than 5 feet) the following frontage standards shall apply (note: SF detached residential uses more than 5’ shall not be permitted with direct frontage along Campbell and Lookout Road)–
 - No off-street parking permitted between the building fronts and street along Campbell Road/Lookout Road.
 - All off-street parking in the rear (tuck-under, parking structure, or surface parking);
 - Parking shall be set behind buildings along Campbell and Lookout Roads;
 - Ground floor building height min of 12’ finished floor to finished floor;
 - No blank walls or opaque residential fences (open fences allowed - wrought iron, picket, and similar fences not taller than 3’).
 - Fronts of residential buildings to address the street (stoops, patios, porches, bay windows, doors, etc.).

- No large parking lots at street intersections (beyond the one double-loaded aisle) or anchor street intersections with building facades that turn the corner.
 - Street trees and sidewalks required.
 - Minimum façade design, articulation shall apply for residential building types (see Section VI.A.8).
 - Landscaped and divided entry roadways into the neighborhood are permitted along Campbell and Lookout Roads
- ii. Housing Mix and Type Standards: Table 6-1 establishes the different categories of Housing Types and Table 6-2 establishes the minimum mix of housing types for each Detail Plan within the predominantly residential Character Zones of Mixed Use- Mixed Residential and Mixed Residential Zones.

Table 6-1 Housing Type Standards

Category/ Common Name		Lot Widths (min. – max.)	Garage or Primary Parking Location
Category 1	Type 1A	70' +	Any
	Type 1B	60' – 69'	Any
	Type 1C	50' – 59'	Any
Category 2	Type 2A	40' – 49'	Side or Rear
	Type 2B	25' – 39'	Side or Rear
Category 3	Type 3A on pedestrian mews, court, green, eyebrow, square, or other similar public space	40' – 49'	Rear
	Type 3B on pedestrian mews, court, green, eyebrow, square, or other similar public space	25' – 39'	Rear
	Multi-unit home	no min or max	Rear
	Townhome or Single Family Detached (if separated by 3' or less)	20' – 35'	Rear/tuck under
Category 4	Multi-family Residential	60' – no max	Rear/tuck under

Table 6-2 Housing Mix Requirements

Character Zone	Housing Mix Required	Notes
Mixed Use – Mixed Residential Zone	Minimum of 1 from Category 3 and minimum of 1 from either Category 2 or Category 4	Minimum number of units in each category included in each Detail Plan shall be either one block face or 10 units (whichever is less)
Mixed Residential	Minimum of 1 from Category 1 and minimum of 1 from either Category 2 or Category 3	Minimum number of units in each category included in each Detail Plan shall be either one block face or 10 lots (whichever is less)

5. Street Design Standards: Street cross sections in Appendix D, ITE's Designing Walkable Urban Thoroughfares manual or NACTO's Urban Street Design Guide shall be used to develop the streets within the MUC-PD. Generally, they shall:
 - i. Create a localized grid of pedestrian and vehicular travel ways.
 - ii. Be designed to create a pleasant walking environment with on-street parking and streetscape treatments.
 - iii. Discourage the use of cul-de-sacs unless natural features such as topography, floodplains or stream corridors, or practical site layout constraints make a street connection impractical or inefficient. In such cases, a trail or pedestrian pathway shall be utilized where a street cannot be constructed due to natural constraints or drainage elements. When such pedestrian pathways or trails are used as block edges, they shall be limited to no more than two edges of a block and the pathway or pedestrian facility shall be a minimum of 8' in width. They shall provide connectivity to adjoining neighborhoods or shopping and shall be within public access easements. Such block faces may be considered as Type A frontages only if they meet the building frontage requirement in that character zone along that block face.
 - iv. Blocks may be square, elongated or irregular. Block shape and size should respond to topography, existing vegetation, hydrology, and design intentions.
 - v. Average blocks widths shall be between 400 feet and 600 feet. Blocks should vary in size based on the Sample Illustrative Plans and character zone standards.
 - vi. Blocks that are longer than 1,000 feet should be bisected by a walking path, paseo or other similar pedestrian cut-through.
 - vii. Blocks may be bounded by streets or drainage features.
 - viii. Appendix D shall establish the cross section standards for the different street types in the MUC-PD.
 - ix. The Detail Plan shall establish the Type "A" and Type "B" development frontage designations per the character zone standards within the Development Standards Table 6-3 of this PD.
 - x. Porte-cochers may be used along Type "A" frontages but shall maintain the pedestrian streetscape along the edge of the street within minimal encroachments of driveways and with the utilization of street walls along the sidewalk/street frontage to help define the pedestrian and public realms.
6. Open Space Standards: The provision of adequate and appropriate open space areas shall be integral to all development in MUC-PD. The minimum requirement for open space in the district is 10% of the gross area of the site which shall be based on the locations identified in the Zoning Framework Plan (if any) and dedicated as open space in the Detail Plan. The design of open spaces within the development shall be integrated with the design of stormwater improvements. However, no more than 50% of any required open space shall be used solely for stormwater improvements such as retention ponds and creeks. The remaining 50% of the open space may be utilized for stormwater improvements only if amenitized and designed to also be usable open space per the criteria below. In addition to the following standards for the design, location, and orientation of open space, site specific standards shall also apply based on the Character Zone context:

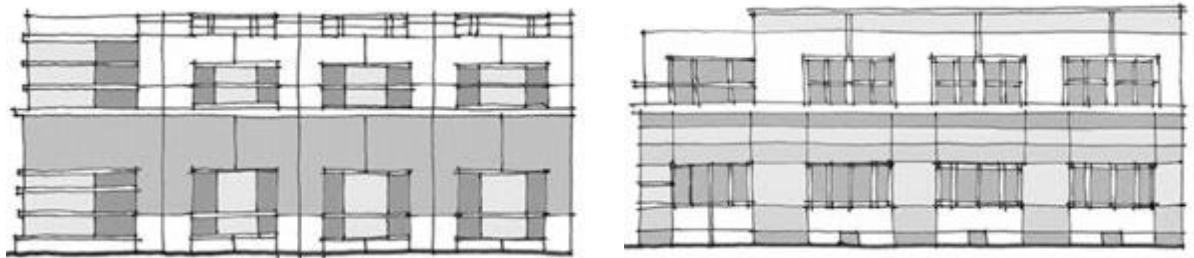
- i. The open space provided shall be appropriately distributed, designed and scaled in each of the character zones.
 - ii. The following criteria shall be used to evaluate the merits of proposed open spaces in the MUC-PD Detail Plan:
 - a. The extent to which environmental elements preserved are considered as “features” or “focal points” and integrated into and prominently featured as “front yards” in the development; adding value to the development;
 - b. The extent to which emphasis has been placed on preservation of existing wooded areas, view sheds, water bodies, topography, and stream corridors in a natural and contiguous state;
 - c. The extent to which pedestrian connectivity in the form of sidewalks, natural walking paths along stream and creek corridors has been accommodated; and
 - d. The extent to which a range of open spaces have been provided to be contiguous with existing open spaces and to invite passive recreational uses from plazas and squares to playgrounds, parks and environmental preserves, appropriately organized within the respective component zone.
 - iii. Open spaces may be in the form of plazas, pocket parks, children’s play areas, squares, linear greens, parks, and environmental preserves as outlined within Section 7.21 (Table 2.9.1) of the GDC. Active sports fields and structured recreational activities shall be limited to less than 10% of any required open space located in any character zone.
 - iv. Plazas and squares shall be permitted only in the Employment Mixed Use, Retail Mixed Use, and Mixed Use-Mixed Residential character zones. A plaza which is intended to serve as open space may be located at a street intersection or a focal point and shall generally be small in scale (under ¼ acre in size). A square which is intended to serve as open space may also be located at a street intersection or as a focal point of a development.
7. Special Designations: The following Special Designations are optional (unless required per Section VI.A.4 and Section VI.A.5), but if used, shall be designated on the Detail Plan:
- i. Mandatory and/or Recommended Commercial Ready/Active Edge Requirement: Shall be designated frontages requiring active ground floor uses for a minimum depth of 30’ (no residential units, lodging rooms, parking (except as permitted in Section VI.A.4), or service uses permitted) and with the ground floor façade being no less than 60% glazed (VT higher than 0.6). Such frontage designations are permitted in the following character zones: Employment Mixed Use, Retail Mixed Use, Mixed Use-Mixed Residential, and Transition.
 - ii. Designations for Mandatory and/or Recommended Gallery or Colonnade Frontage: requiring or advising that a building provide a permanent cover over the sidewalk, either cantilevered or supported by columns. The Gallery or Colonnade Frontage designation may be combined with a Commercial Ready or Commercial Required Frontage designation.

8. Building Design Standards: Building design standards shall be established at the time of the Detail Plan and shall be based on the following standards and criteria.
 - i. Building Orientation:
 - a. Primary Façade Orientation: For EMU and MU-MR Character Zones, primary building facades for all non-residential and mixed use buildings shall be oriented towards a Type “A” frontage designation or toward a focal point such as a landscaped street, plaza, similar formal open space or an environmental feature (which shall be considered as a Type “A” frontage as long as a sidewalk or trail is located along that frontage and links the buildings to the open space/environmental feature). For Mixed Residential at least 50% of the lots shall be oriented to a Type “A” frontage designation or toward a focal point such as a landscaped street, plaza, similar formal open space or an environmental feature (which shall be considered as a Type “A” frontage as long as a sidewalk or trail is located along that frontage and links the buildings to the open space/environmental feature). For MU-MR Category 3 lots, at least 50% of the lots shall be oriented to a Type “A” frontage designation or toward a focal point such as a landscaped street, plaza, similar formal open space or an environmental feature (which shall be considered as a Type “A” frontage as long as a sidewalk or trail is located along that frontage and links the buildings to the open space/environmental feature).
 - b. Building Frontage: Lots and blocks along Type “A” frontages shall establish a minimum standard for building frontage per the Development Standards Table for each character zone. Lots and blocks along Type “B” frontages need not specify a minimum building frontage requirement. (see illustration in the Definitions section on how building frontage is to be calculated).
 - c. Building Setbacks and Build-to Zones: Buildings shall be built at or close to the sidewalk along Type “A” frontages to better define the pedestrian realm. Any off-street surface parking along Type “A” frontages shall be minimized, be located in the middle of the block, and screened by a minimum 3’ high vegetative screen. The specific minimum and maximum building setbacks shall be established by the applicant at the time of Detail Plan application per the criteria Development Standards Table for each character zone.
 - ii. Building Façade Standards:
 - a. Primary facades along Type “A” frontages shall contain the main entrance of any principal building located along that street.
 - b. All principal buildings located on a Type “A” frontage shall also have doors, windows, and other architectural features facing that street/frontage. Non-residential or mixed use corner buildings shall have at least one customer entrance facing each street or a corner entrance instead of two entrances.
 - c. The minimum ground floor height as measured from the finished sidewalk to the bottom of the second floor structural member for all Required and/or Recommended Commercial Ready frontages shall be 12 feet.
 - d. The ground floor elevation of all residential buildings along a designated Type “A” frontage (attached, detached, and stacked) located less than 10’ from the front property line or sidewalk shall be raised a minimum of 18” above the

finished level of the public sidewalk/trail in front of the residential structures. This standard does not apply to frontages where Commercial Ready ground floors are required.

- e. All development shall provide ground floor windows on the building façade facing and adjacent to a street (with the exception of alleys) or facing onto a park, plaza, or other civic space. The required area of windows and doors on each street façade along a Type “A” frontage, park, square, green, plaza, or other civic space as a percentage of that façade shall be established by the applicant at the time of Detail Plan based on the character zone criteria. The required minimum area of windows and doors on all other street facades (Type “B” frontages with the exception of alleys) may be reduced by 20% of the corresponding requirement along a Type “A” frontage façade. Darkly tinted windows and mirrored windows that block two-way visibility shall not be permitted along ground floor facades along Type “A” frontages.
9. Architectural Design Standards: To ensure compatibility of building types and to relate new buildings to the building traditions of the region, architectural design shall be regulated, governed, and enforced through architectural design standards proposed by the applicant at the time of Detail Plan. The applicant shall submit the proposed standards as a part of the Detail Plan application for all development in the proposed Detail Plan. The architectural design standards shall comply with Chapter 4, Article 6 of the GDC as the basis and may be varied as necessary. The Director of Planning shall review the proposed standards for compliance with this section and the GDC and shall be a part of the approval of the Detail Plan. Architectural design standards for any proposed development in the MUC-PD shall:
- i. specify the materials and configurations permitted for walls, roofs, openings, street furniture, and other elements;
 - ii. be based on traditional/historical building precedents from the region;
 - iii. include the following:
 - a. architectural compatibility among structures within the different building types included in the different character zones;
 - b. human scale design;
 - c. pedestrian use of the entire PD;
 - d. relationship to the street, to surrounding buildings, and appropriate transitions to adjoining land uses (including existing neighborhoods); and
 - e. special architectural treatment of gateways/civic buildings.
 - iv. All building frontages along public and private streets (with the exception of alleys) shall break any flat, monolithic facades by including architectural elements such as bay windows, recessed entrances, or other articulations so as to provide pedestrian interest along the street level façade including discernible and architecturally appropriate features such as, but not limited to, porches, cornices, bases, fenestration, fluted masonry, bays, recesses, arcades, display windows, unique entry areas, plazas, courts, or other treatments to create visual interest, community character, and promote a sense of pedestrian scale.
 - v. All buildings in the MUC-PD character zones shall be constructed with exterior building materials and finishes of a quality to convey an impression of permanence and durability. Materials such as masonry (stone, brick, 3-step stucco) and similar durable architectural materials are allowed as primary building materials and shall be approved with a Detail Plan.

- vi. Non-residential buildings and sites shall be organized to group the utilitarian functions away from the public view of any street (with the exception of alleys). Delivery and loading operations, HVAC equipment, trash compacting and collection, and other utility and service functions shall be incorporated into the overall design of the buildings and landscaping. The visual and acoustic impacts of all mechanical, electrical, and communications equipment (ground and roof-mounted) shall not be visible from adjacent properties and public streets, and screening materials and landscape screens shall be architecturally compatible with and similar to the building materials of the principal structures on the lot.
10. Design Standards for Data Centers: The following standards shall apply to any street facing facades of data centers in the MUC-PD. If data centers are located along Campbell Road or Lookout Drive, then the Special Frontage standards in Section VI.A.4.i.c shall supersede the standards below.
- i. Flat, blank walls shall not be allowed. If no windows and doors are provided along street facing façades, a minimum of one of the following treatments shall be required:
 - a. Color and textured panels to imitate the look of windows;
 - b. Horizontal or vertical articulations of the building façade; or
 - c. Changes in color, texture, or materials to provide horizontal and/or vertical rhythms



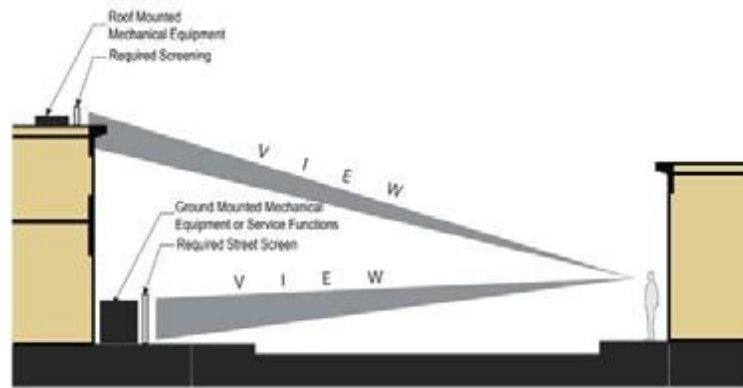
Desired street façade treatment for Data Centers

- ii. Any screening wall or security fence along a street shall meet the following standards:
 - a. Screening walls shall not be completely opaque.
 - b. They may be transparent or semi-opaque with architectural metal, wrought iron, galvanized steel or similar material or a combination of masonry columns and wrought iron with landscaping.
 - c. Screening walls along sidewalks shall be set back a minimum of 3' to allow for landscaping.
 - d. Screening wall height shall not exceed 10'
 - e. To the extent possible, any frontage of such screening walls shall be minimized along Type "A" streets.
 - f. To the extent possible, any frontage of such screening walls shall be minimized along Type "A" streets.



Images of desired screening/security fence design for data centers

- iii. In cases where a building may have to be setback more than the maximum setback allowed along a particular street for security or functional purposes, a screening wall or fence may be established within the build-to zone to provide for street wall definition. In such cases, the building shall be exempt from any maximum setback requirement in that character zone.
- iv. Any roof or ground mounted mechanical equipment shall be screened from view as shown in the illustration below. Design of such screening shall be architecturally integrated with the design of the building and use the same material as the primary façade material of the building.



Required screening of roof and ground mounted mechanical equipment

- v. In lieu of the above standards, the applicant may provide and request approval of alternative design standards for building facades and screening fences along street frontages. Such requests shall be reviewed by the Director of Planning and approved if the alternative standards submitted provide the same or greater level of design treatment as it relates to the street and adjoining neighborhood context and meets the intent of the standards in this section.

11. Location and Design of Parking and Service Areas: The number of off-street parking spaces provided shall be as set forth within Section 2.51 of the GDC unless the applicant provides alternative standards for the quantity of off-street parking proposed (both automobile and bicycle parking) for the MUC-PD character zones based on an analysis of the parking demand and a transportation management study for the mix of uses proposed and availability of on-street parking in the PD at the time of Detail Plan application. The Detail Plan shall establish the parking standards based on documented parking demand and transportation management study provided by the applicant. The standards set forth in the GDC shall be used if the applicant does not specifically provide alternative standards. Every effort should be made to incorporate shared parking as outlined within Chapter 4, Article 2 of the GDC. In addition, the location of surface parking on individual lots shall be regulated as follows:
- i. Except as described in Section VI.A.4, surface parking lots for non-residential uses shall be located at the side or rear of a building. Specifically, the frontage of off-street surface parking lots shall be minimized along Type “A” frontage designations. If located adjacent to a Type “B” frontage or a residential use, screening shall be provided in the form of a landscaped/vegetative or combination fence which is at least 3 feet in height.
 - ii. A surface parking lot may not be adjacent to a street intersection with a Type “A” frontage or civic space such as a plaza or square, or occupy a lot that terminates a street vista.
 - iii. Shared parking facilities are encouraged for uses in the Employment Mixed Use, Retail Mixed Use, Mixed Use-Mixed Residential, and Transition character zones.
 - iv. Bicycle parking shall be provided for non-residential uses, multi-family uses, and especially for schools, parks, trails, and other recreational facilities. Bicycle parking shall be provided at a rate of 2.5% of all off-street automobile parking spaces provided for all non-single-family residential uses (attached and detached) unless an alternative standard is established in conjunction with a parking study for specific Detail Plan. Bicycle parking may be shared between uses and should be centrally located, easily accessible, covered/protected from the elements, lit at night, and visible from streets or parking lots. They may be located between the roadway and the building facades as long as their location does not impede pedestrian walkways.
 - v. Any off-street parking provided for residential uses shall be located in such a manner as to minimize the impact of garages and driveways along the residential street. All residential lots that are 49 feet or less in width shall have off-street parking and/or garages accessed from alleys. All lots 50’ or wider may have front loaded garages, but in no case shall the width of the garage exceed 50% of the front façade width of the entire building. In addition, the garage shall be set back at least five (5) feet from the front façade of the home and at least twenty (20) feet from the front property line. J-swing garages may be permitted if they meet the standards above on lots 50’ or wider. Shared driveways on adjoining lots are permitted on lots 50’ or wider.

13. Design of Parking Structures

- i. All frontages of parking structures located on Type “A” frontages shall be lined by active edges or commercial ready frontages on the ground floor to a minimum depth of 30 feet.
- ii. Parking structure facades on all public streets (except alleys) shall be designed with both vertical (façade rhythm of 20’ – 30’) and horizontal (aligning with horizontal elements in the block) articulation.
- iii. All above-grade parking structures shall be designed with a distinguishable first floor, upper façades and roofs. Parking garage first floors shall be designed at human scale with pedestrian-scale elements such as awnings, canopies, window breaks and door openings. Above-grade parking garages may be designed using decorative metal elements such as ornate meshes, screens and the like, but shall not be allowed to have non-decorative steel guard cables that are visible to the public or to adjacent properties.
- iv. Where above ground structured parking is located at the perimeter of a building, it shall be screened in such a way that the majority of cars on all parking levels are not visible from adjacent buildings or a Type “A” street. Parking garage ramps shall, generally, be oriented so they are not visible from any Type “A” street. Ramps shall not be located along the perimeter of the parking structure with frontage along a Type “A” designation. Architectural screens shall be used to articulate the façade, screen parked vehicles, and shield car bumpers and headlights.



Images showing appropriate design of parking structures



14. Landscaping Standards

- i. The purpose of landscaping in the MUC-PD is to enhance pedestrian and open space areas, to help delineate active areas from passive areas, to provide a screening buffer between pedestrians and vehicular circulation, utility functions, and incompatible adjacent developments.
- ii. The applicant shall submit a landscape plan in conjunction with the Detail Plan application. The landscape plan establishes the design direction and general schematics for all proposed landscaping including all major aspects of the public realm such as street trees, plant/tree palette, streetscape treatments, pavement treatments, front yards, and medians; proposals for required parking lot landscaping, screening, design for all open spaces, and lighting.
- iii. Proposed landscaping shall meet the following standards:
 - a. Be pedestrian oriented.
 - b. Designed in such a way to not create a security or physical hazard to pedestrians, bicyclists or motorists.
 - c. Enhance or complement the architectural design of the mixed-use development.
 - d. Provide visual interest year-round. Utilize water conservation methods and drought tolerant planting where possible.
 - e. Shall be provided between parking lots and all adjacent sidewalks.
 - f. Meet the standards for Installation and Maintenance in the GDC Section 4.32.
 - g. Propose a plant/tree palette that mostly includes indigenous species. (Plant list in Section 4.48 of the GDC shall be used for the vegetation palette)

B. Site Development Standards by Character Zone

Standards in the MUC-PD are intended to facilitate the development of unique and pedestrian-friendly environments within the different character zones. To this end, design and development standards are intended to be tailored to create such an environment. In order to provide flexibility in use with prescription of the building form, some development standards for each Detail Plan in the PD shall be established via the Detail Plan consistent with the requirements in this PD.

The following standards shall apply to development in the MUC-PD. Most standards have a numerical range and few have a specific numerical value. Due to the inapplicability of one development standard across all character zones and to encourage a diversity of development proposals, the developer shall propose the standards indicated as “Flexible” or “Permitted/Flexible” on the following table (Table 6-3) for the proposed development at the time of Detail Plan application submittal. But the proposed standards shall be based on the Zoning Framework Plan and standards in this PD.

SH 190 FBC Zoning District
TABLE 6-3: DEVELOPMENT STANDARDS TABLE

Character Zone Development Standard	Employment Mixed Use	Retail Mixed use	Mixed Use – Mixed Residential	Transition	Mixed Residential
1.0 Building and Site Standards					
a. Principal Building Height*	No maximum	No maximum	10 stories or 65' by right	5 stories or 40' (maximum)	3 stories or 40' (maximum)
* Building height shall be measured in number of stories. Habitable attics and mezzanines shall be excluded from the height calculation as long as they do not exceed 50% of the floor area of a typical floor in the same building. Height Compatibility Zone Along Holford Road (applies to all character zones): All development within 200 feet of Holford Road (as measured from the western edge of Holford Road ROW) shall be limited to no more than 3 stories. (see Zoning Framework Plan for location)					
b. Setbacks and build-to zones**	Note about measuring setbacks: In cases where the ROW is established at or behind the curb line of streets, setbacks shall be measured from the edge of the pedestrian easement or parkway /streetscape zone or utility easement closest to the building face along that street.				
Front – Type “A” frontages [^]	Min. setback = Flexible; Max. setback = 25'	Min. setback = 5' - 15'; Max. setback = 25'	Min. setback = 5' - 20'; Max. setback = 30'	Min. setback = 5' - 20'; Max. setback = 30'	Min. setback = 5' - 20'; Max. setback = 40'
Front – SH 190	Min. setback = 20'; Max. setback = Flexible	Min. setback = 20'; Max. setback = Flexible			
Type “B” Frontage	Min. setback = 5'; Max. setback = Flexible	Min. setback = 5'; Max. setback = Flexible	Min. setback = 10'; Max. setback = Flexible	Min. setback = 10'; Max. setback = Flexible	Min. setback = 10'; Max. setback = Flexible
Side	Flexible	Flexible	Flexible	Flexible	Flexible
Rear	Flexible	Flexible	Flexible	Flexible	Flexible
**Minimum and/or maximum setback standards shall be proposed by the applicant for each character zone based on the above criteria and Development Standards established in this PD. **Specific standards for curvilinear streets may be proposed. [^] Maximum setbacks along Type “A” frontages that are along improved public space (park, plaza or other civic feature) between the street/sidewalk and building face may exceed the standards established in this table.					
c. Minimum Building Frontage [€]					
Type “A” Frontages	60%	60%	60%	60%	60%
All other Frontages	None required	None required	None required	None required	None required
[€] Corner building facades at street intersections shall be built to the build-to-zone for a minimum of 30' from the corner along both streets or the width of the corner lot, whichever is less. This standard shall apply to any street intersection with a Type “A” Development Frontage designation (even if the cross street has a Type “B” Frontage designation).					
d. Accessory buildings	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible
Standards for accessory uses and structures shall be provided by the applicant. The standards shall result in accessory buildings being subordinate in size and scale to the principal building. Standards in Division 4, Article 5, Chapter 2 of the GDC shall apply if the applicant does not specifically provide regulations for accessory uses and structures.					
e. Principal building orientation	Buildings shall be oriented to a Type “A” frontage or toward another focal point such as a park, plaza, square, other open space or environmental feature.				
f. Building façade & architectural design standards	The applicant shall propose appropriate building façade and architectural design standards for all the character zones in the development with the application for Detail Plan. They shall be based on the criteria established in this PD.				
2. Block and Lot Standards					

SH 190 FBC Zoning District
TABLE 6-3: DEVELOPMENT STANDARDS TABLE

Character Zone Development Standard	Employment Mixed Use	Retail Mixed use	Mixed Use – Mixed Residential	Transition	Mixed Residential
a. Block Type	Regular (square or rectangular) Irregular blocks may be permitted only if natural topography, existing roadways, and/or vegetation prevents a rectilinear grid			Regular or irregular (square, rectangular, or curvilinear based on topography, existing roadways and vegetation)	
b. Block Perimeter	Max. block perimeter = 2,500	Max. block perimeter = 3,000'	Max. block perimeter = 3,000' (unless limited by unique site conditions such as topography and vegetation)	Max. block perimeter = 2,000' (unless limited by unique site conditions such as topography and vegetation)	Max. block perimeter = 2,000' (unless limited by unique site conditions such as topography and vegetation)
c. Type "A" Development Frontage (Frontages along civic/open spaces shall be considered Type "A" development frontage)#	Minimum of 25% of all new block frontages to be designated as Type "A" Development Frontage	Minimum of 25% of all new block frontages to be designated as Type "A" Development Frontage	Minimum of 50% of all new block frontages to be designated as Type "A" Development Frontage	Minimum of 25% of all new block frontages to be designated as Type "A" Development Frontage	Minimum of 50% of all new block frontages to be designated as Type "A" Development Frontage
d. Lot Area	Flexible	Flexible	Flexible	Flexible	Flexible
e. Lot Width and Depth	Flexible	Flexible	Flexible	Flexible	Flexible
f. Minimum Lot Mix. Required	No	No	Yes (To be established to get a mix of residential building types)	No	Yes (To be established to get a mix of residential building types)
g. Maximum Lot Coverage	Flexible	Flexible	Flexible	Flexible	Flexible
# Blocks w/ more than 40% frontage along PGBT and Campbell need not meet minimum Type "A" block designation standards so long as they provide the following (i) continuous pedestrian path/trails on the major non-PGBT block faces at least 8 feet in width and shaded by trees; (ii) improved pedestrian crossings at all intersections from adjoining blocks even if private service drives; and (iii) utilize at least 5% of the 10% open space requirement for improved pedestrian gathering spaces connected through a continuous walkable environment to any adjoining development within the MUC-PD.					
3. Street Design Standards (This standard applies to all new streets, public and private, located in the SH 190 FBC Zoning District)					
Street design standards in the SH190 EC-PD shall be based upon creating a safe and inviting walking environment through an interconnected network of roads with sidewalks, street trees, street furniture, and amenities. Cul-de-sacs are prohibited unless natural features such as topography or stream corridors prevent a street connection. The right-of-way widths for streets in the SH 190 FBC shall be based on the palette of street types established in Appendix D. They are based on the ITE's Designing Walkable Urban Thoroughfares manual and NACTO's Urban Street Guide. They may be adjusted based on the specific Detail Plan with the approval of the City Engineer. Bicycle facility widths may be modified based on the City's adopted Master Thoroughfare Plan standards.					
a. Design speed	≤30 mph	< 25 mph	< 25 mph	< 25 mph	< 25 mph
b. Street types allowed	i. Boulevards: 4-lane divided) ii. Avenues: 3-lane divided iii. Main streets iv. Residential streets: 2-lane undivided v. Commercial Alleys	i. Boulevards: 4-lane divided) ii. Avenues: 3-lane divided iii. Main streets iv. Residential streets: 2-lane undivided v. Commercial Alleys	i. Boulevards: 4-lane divided) ii. Avenues: 3-lane divided iii. Residential streets: 2-lane undivided iv. Commercial and Residential Alleys	i. Boulevards: 4-lane divided) ii. Avenues: 3-lane divided iii. Residential streets: 2-lane undivided iv. Residential Alleys	i. Boulevards: 4-lane divided) ii. Avenues: 3-lane divided iii. Residential streets: 2-lane undivided Residential Alleys
c. Travel lane widths	Appendix D, ITE's Designing Walkable Urban Thoroughfares manual or NACTO's Urban Street Design Guide shall guide the development of street design standards and shall be established as part of the DP with the approval of the City Engineer.				
d. Turning radii					
e. On-street Parking (along all internal streets except alleys) • Parallel	Permitted	Permitted	Permitted	Permitted	Permitted

SH 190 FBC Zoning District
TABLE 6-3: DEVELOPMENT STANDARDS TABLE

Character Zone Development Standard	Employment Mixed Use	Retail Mixed use	Mixed Use – Mixed Residential	Transition	Mixed Residential
• Angled (head-in or reverse angled).	Permitted	Permitted	Permitted	Permitted	Permitted
• Head in perpendicular	Not permitted	Not permitted	Not permitted	Not permitted	Not permitted
f. Parking lane width • Parallel • Angled	8 feet 18-20 feet	8 feet 18-20 feet	8 feet 18-20 feet	8 feet 18-20 feet	8 feet 18-20 feet
g. Alleys*	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible	Permitted/Flexible
4. Streetscape Standards					
a. Sidewalks/Trails/ Walkways	10 feet (min. along Type “A” Frontages) 6 feet (minimum along all other streets except alleys)	6 feet (minimum)	6 feet (minimum)	6 feet (minimum)	5 feet (minimum)
b. Planter/Planting Strip Type	Required - Tree wells or Planters	Required - Tree wells or Planters	Required - Tree wells or Planters	Required - Tree wells or Planters	Required - Planters
c. Planter/Planting Strip width	6 feet (min.) wide tree well or planting strip	6 feet (min.) wide tree well or planting strip	6 feet (min.) wide tree well or planting strip	6 feet (min.) wide tree well or planting strip	6 feet (min.) wide planting strip
d. Street trees	Required/Flexible	Required/Flexible	Required/Flexible	Required/Flexible	Required/Flexible
The applicant shall submit a proposed street tree planting plan, including a tree palette and spacing as a part of the Landscape Plan, which shall be reviewed as part of the Detail Plan and must be approved at time of Detail Plan. The requirements for the landscape plan are outlined in Section VI.A.14 of this PD.					
5. Open/Civic Space Standards					
a. Open/Civic Space	Required/Flexible Squares and plazas are appropriate	Required/Flexible Squares and plazas are appropriate	Required/Flexible, Squares and greens are appropriate	Required/Flexible, Squares and greens are appropriate	Required/Flexible, Squares and greens are appropriate
*Overall open/civic space allocations in the MUC-PD shall be a minimum of 10% of the gross area of the entire site included in the Detail Plan and shall be distributed appropriately between the character zones. The location and design of appropriate open spaces shall be based on Section VI.A.6 of this PD.					
6. Parking & Screening Standards					
a. Off-street parking	The number of off-street parking spaces provided shall be as set forth within Section 2.51 of the GDC. The applicant may provide alternative standards for the quantity of off-street parking proposed (both automobile and bicycle parking) for the MUC-PD character zones based on an analysis of the parking demand and a transportation management study for the mix of uses proposed and availability of on-street parking in the PD at the time of DP application. The PD shall regulate the location and design of all proposed off-street parking including any structured parking proposed per Section VI.A.12 and VI.A.13.				
<i>Parking standards in the FBC Zoning District are intended to be flexible due to the mixed use nature, shared parking opportunities, and availability of on-street parking.</i>					
b. Off-street loading	Section 4.22 of the GDC applies unless alternative standards are provided				N/A

* Alleys shall be required for all residential development with lots 50 feet or less in width.

SH 190 FBC Zoning District
TABLE 6-3: DEVELOPMENT STANDARDS TABLE

Character Zone Development Standard	Employment Mixed Use	Retail Mixed use	Mixed Use – Mixed Residential	Transition	Mixed Residential
c. Screening 1. Trash/recycling receptacles	Required/Flexible	Required for non-residential uses Flexible for residential uses (along alleys if alleys are provided)	Required for non-residential uses Flexible for residential uses (along alleys if alleys are provided)	Required for non-residential uses Flexible for residential uses (along alleys if alleys are provided)	Flexible for residential uses (along alleys if alleys are provided)
2. Other utility equipment	See Sec. VI.A.11				
3. Loading spaces	Screening required for non-residential uses. Section 4.41 and Section 4.42 of the GDC applies for non-residential uses only unless alternative standards are provided				
4. Surface parking areas	Required/Flexible (Standards in Section 4.35 and Section 4.44 of the GDC shall apply to any surface parking located along any public street with the exception of alleys unless the applicant proposes alternative screening standards at the time of Detail Plan.)				
7. Landscape and Streetscape					
a. Landscaping# 1. Landscape buffer between surface parking and sidewalks/trails and streets (except alleys)	Required/Flexible	Required only for non-residential uses	Required only for non-residential uses	Required only for non-residential uses	N/A
2. Parking lot minimum interior landscaping	Flexible	Flexible	Flexible	Flexible	N/A
<i>#The applicant shall provide a landscape plan with the Detail Plan application that identifies landscape themes and general design approach addressing street tree planting, streetscape treatments, any required screening, parking lot landscaping, and landscaping proposed in all the identified open space areas. Information provided at the Detail Plan phase may be schematic meeting the design intent of the proposed development. Detailed landscaping plans shall be required at the site plan stage for all non-residential development. The requirements for the landscape plan are outlined in Section VI.A.14 of this Code.</i>					
b. Lighting 1. Street Lighting 2. Building entrances 3. Parking areas, trails, and streets	Required/Flexible (As a part of the Detail Plan application, the applicant shall propose lighting standards that includes street light standards and other amenities as a part of the streetscape treatment plan. The landscape plan may be combined with a plan for lighting.)				
8. Signs					
Flexible (Flexible signage in the SH 190 MUC-PD may be proposed by the applicant and approved by the Plan Commission as part of the Detail Plan application or as a separate Master Sign Plan. Signage in the SH 190 MUC-PD shall integrate the streetscape and architectural design of the district through a palette of signs that enhance the pedestrian environment and create a unique identity. If no standards are proposed by the applicant, standards in Chapter 4, Article 5 of the GDC shall apply.)					
9. Stormwater Drainage: Detention of storm water runoff is only required for drainage areas abutting the Spring Creek Forest Preserve Ecological Boundary an approximately 450 to 550-foot wide strip of property north of the SH 190 service road between Campbell and Holford Roads and / or when the development generates a runoff greater than the downstream storm sewer system is designed for.					

VII. Definitions

Many terms used in this Section are defined in GDC. Definitions are only included here if not defined in Chapter 6 of the GDC, or if the definition for this PD differs from Chapter 6 of the GDC. In case of a conflict between the definitions under this Section and the GDC, the definitions in this section shall supersede.

Block Perimeter

Is the sum total of all block face dimensions circumscribed by public or private streets and pedestrian facilities with public access easements per the requirements in this PD.

Build-to Zone (BTZ)

Is the area between the minimum and maximum front setbacks from the edge of the pedestrian easement closest to the building facade. The principal building façade line shall be located within this area.

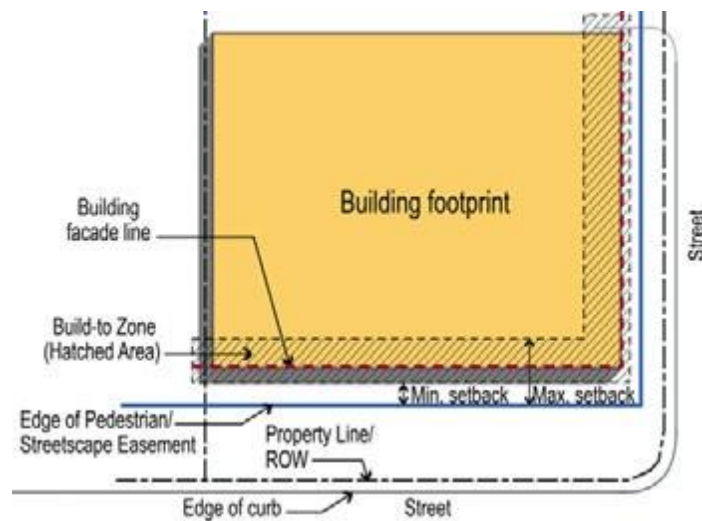
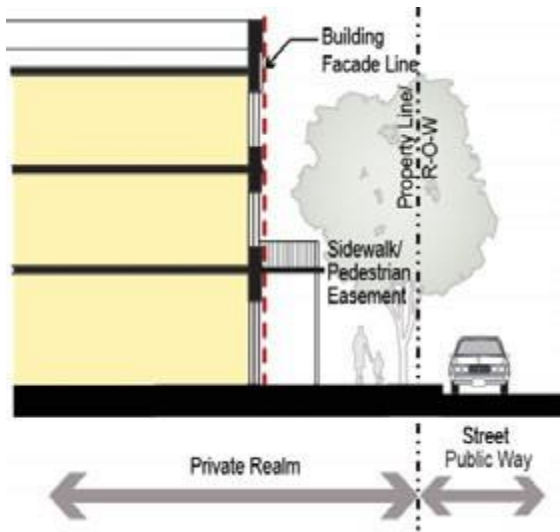


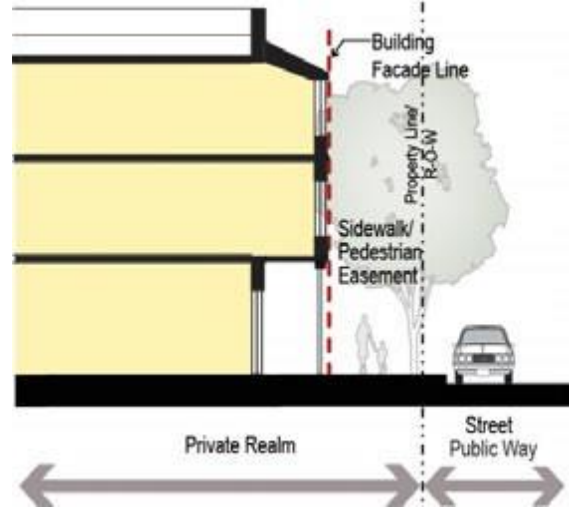
Illustration indicating the location of the build-to zone relative to the minimum and maximum setbacks and the building façade line

Building Façade Line

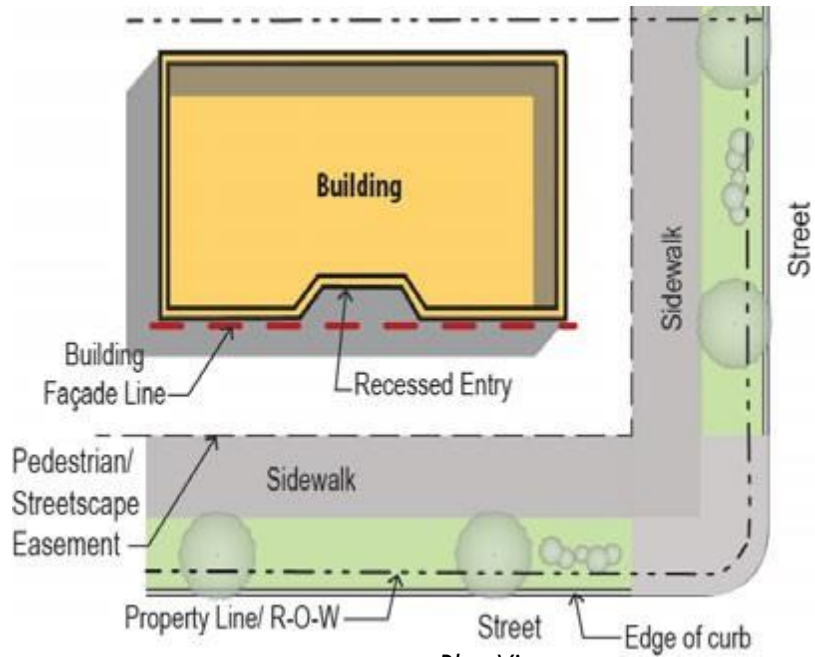
Is the location of the vertical plane of a building along a street frontage.



Section View – Gallery Building



Section View – Arcade Building



Plan View
Building Façade Line Illustrations

Building Frontage

Is the percentage of a building's façade line that is required to be located within the Build-to Zone (BTZ) as a proportion of the lot's width along the fronting public street. Required driveways, stairs to access entrances, parks, plazas, squares, improved forecourts, and pedestrian breezeway frontages shall count towards the required building frontage.

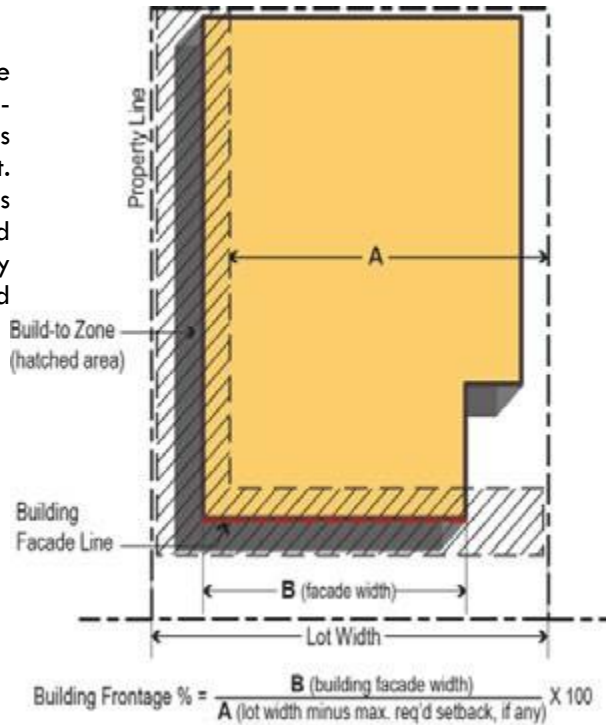


Image showing Building Frontage calculation

Building Step-back

Building step-back is the setting back of the building façade line away from the street at a specific floor or height.

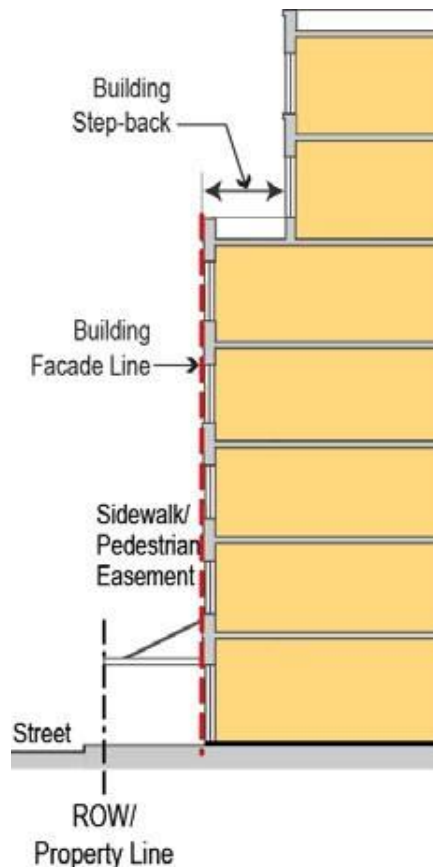


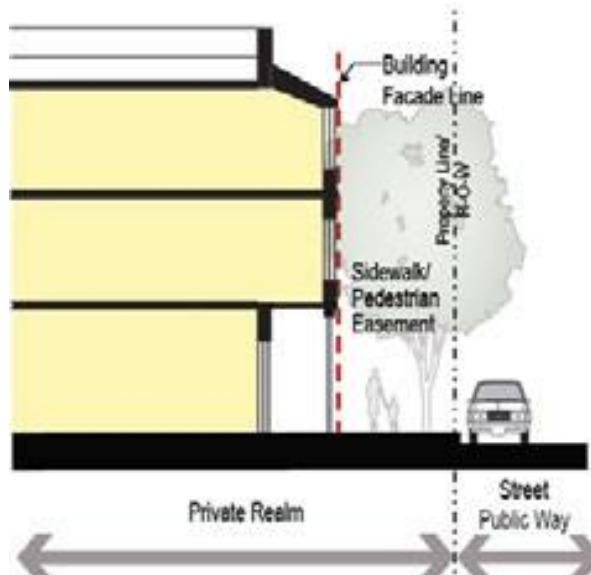
Illustration of a Building Step-back

Colonnade

Is a portion of the main façade of the building that is at or near the property line and a colonnade supports the upper floors of the building. Colonnades are intended for buildings with ground floor commercial or retail uses. The ground floor area within the colonnade may be conditioned or non-conditioned space.



Images of colonnade buildings



Images of colonnade buildings

Character Zone

Means an area within any SH 190 MUC-PD District that is intended to preserve and/or create an urban form that is distinct from other areas. Arrangement and allocation of the Character Zones are in the Zoning Framework Plan.

Commercial Use or Mixed Use Building

Means a building in which at least the ground floor of the building is built to Commercial Ready standards and any of the floors are occupied by non-residential or residential uses.

Commercial Ready or Commercial Required

Means a ground floor space constructed with appropriate building orientation, entrance and window treatment and floor-to-floor height in order to accommodate ground floor retail/commercial uses (including but not limited to commercial, retail, restaurant, entertainment, and lobbies for civic, OR hotel, or multi-family uses). Standards for Commercial Ready or Active Edge frontages are to be established based on the requirements of this PD. Prior to the issuance of a certificate of occupancy for a retail/commercial use in a Commercial Ready space, the space must comply with all building and construction Sections for commercial uses. The intent of Commercial Ready or Commercial Required space is to provide the flexibility of occupying a space in accordance with market demand and allowing the use in such space to change to retail/commercial uses accordingly.

Comprehensive Plan:

Is Envision Garland, the City of Garland’s comprehensive framework for informed decision making and establishes the blueprint for the long-term growth and development of the City.

Data Center:

Is a facility used to house computer systems and associated components, such as telecommunications and storage systems. It generally includes redundant or backup power supplies, redundant data communications connections, environmental controls (e.g., air conditioning, fire suppression) and various security devices.

Director of Planning

Shall be the City of Garland Director of Planning or his/her designee.

Dwelling, Single-Family Attached (Townhouse)

One of a group of no less than three nor more than six attached dwelling units, separated from each other by fire-rated walls in compliance with the City’s building codes or separated from each other by no more than 5 feet. Each dwelling unit occupies its own separately platted lot and may be two or more stories in height. Does not include Dwelling, Multi-Family or Dwelling, Single-Family Detached.

Encroachment

Means any structural or non-structural element such as a sign, awning, canopy, terrace, or balcony that breaks the plane of a vertical or horizontal regulatory limit, extending into a setback, into the public right-of-way, or above a height limit.

Façade Area

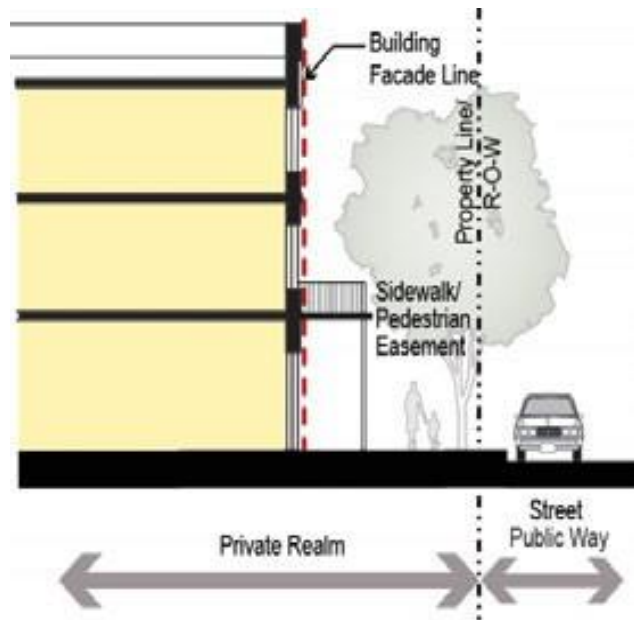
Means the surface area of a building’s elevation (including all floors) not counting minor indentations fronting a particular street. Ground floor façade area is the surface area of a building’s ground floor elevation not counting minor indentations fronting a particular street. Upper floor façade area is the surface area of a building’s upper floor elevations not counting minor indentations fronting a particular street.

Frontage Designation

As identified on the approved Detail Plan, future streets in the SH 190 MUC-PD Districts are designated as Type “A” or Type “B”. Each frontage designation establishes a certain development context in order to improve walkability and pedestrian orientation within the district.

Gallery

Is a roofed promenade or canopy, especially one extending along the wall of a building and supported by arches or columns on the outer side. The gallery space is unenclosed (non-conditioned) space and may be 2 or more stories tall.



Images of Galleries

ITE's Designing Walkable Urban Thoroughfares Manual

Daisa, James M., *Designing walkable urban thoroughfares: a context sensitive approach.*
Washington, DC: Institute of Transportation Engineers. (most recent edition)

Live-Work Unit

Means a dwelling unit that is also used for work purposes, provided that the 'work' component is restricted to the uses of professional office, artist's workshop, studio, or other similar uses and is located on the street level and constructed as separate units under a condominium regime or as a single unit. The 'live' component may be located on the street level (behind the work component) or any other level of the building. Live-work unit is distinguished from a home occupation otherwise defined by the TDS in that the work use is not required to be incidental to the dwelling unit, non-resident employees may be present on the premises and customers may be served on site.

Minor Amendments

Means a requested amendment to an approved plan (DP) per Table 4-1. The Director of Planning shall have the authority to approve or approve with conditions or deny a minor amendment to an approved plan.

Multi-Unit home

Means a Residential building containing between 2 and 6 units either as leasable units or individually owned. Architecturally, multi-unit homes are designed to appear similar to single-family homes with only one or two primary entrances per street frontage. Additional entrances are permitted along other non-street facing facades.

NACTO's Urban Street Design Guide

Urban Street Design Guide. New York City: National Association of City Transportation Officials. (most recent edition)

Open Space

Is publicly accessible open space in the form of parks, courtyards, forecourts, plazas, greens, playgrounds, squares, etc. provided to meet the standards in of this PD. Open space may be privately or publicly owned and/or maintained.

Primary Entrance

Means the public entrance located along the front of a building facing a street or sidewalk and provides access from the public sidewalk to the building. It is different from a secondary entrance which may be located at the side or rear of a building providing private controlled access into the building from a sidewalk, parking or service area.

Residential Use Building

Means a building that is built to accommodate only residential uses on all floors of the building such as a detached single family home, attached single family home (i.e. townhome), two family home (i.e. duplex), multiple family (3 or more), apartment building (under single ownership or under multiple owners within a condominium regime).

Sample Illustrative Plan

Is to provide guidance on how to translate the Zoning Framework Plan into a Detail Plan that establishes the details required to develop under this PD including, but not limited to, the allocation of component zones, layout of streets and open spaces, and mix and intensity of uses. These Sample Illustrative Plans will then be the basis to create final Detail Plan by property owners/developers at the time of new development.

Service-related site functions

Means all uses that support the principal use on the site including parking access, garbage/trash collection, utility meters and equipment, loading/unloading areas, and similar uses.

Street Screen

Is a freestanding wall or living fence or combination fence built along the frontage line or in line with the building façade along the street. It may mask a parking lot or a loading/service area from view or provide privacy to a side yard and/or strengthen the spatial definition of the public realm.



Image of a combination masonry and living street screen

Street Wall

Indicates the creation of a “wall” or a sense of enclosure along the street with buildings placed immediately adjacent to the street/sidewalk. A street wall has a “void” if there is a surface parking lot or service area adjacent to the sidewalk/street.

Type “A” Frontage

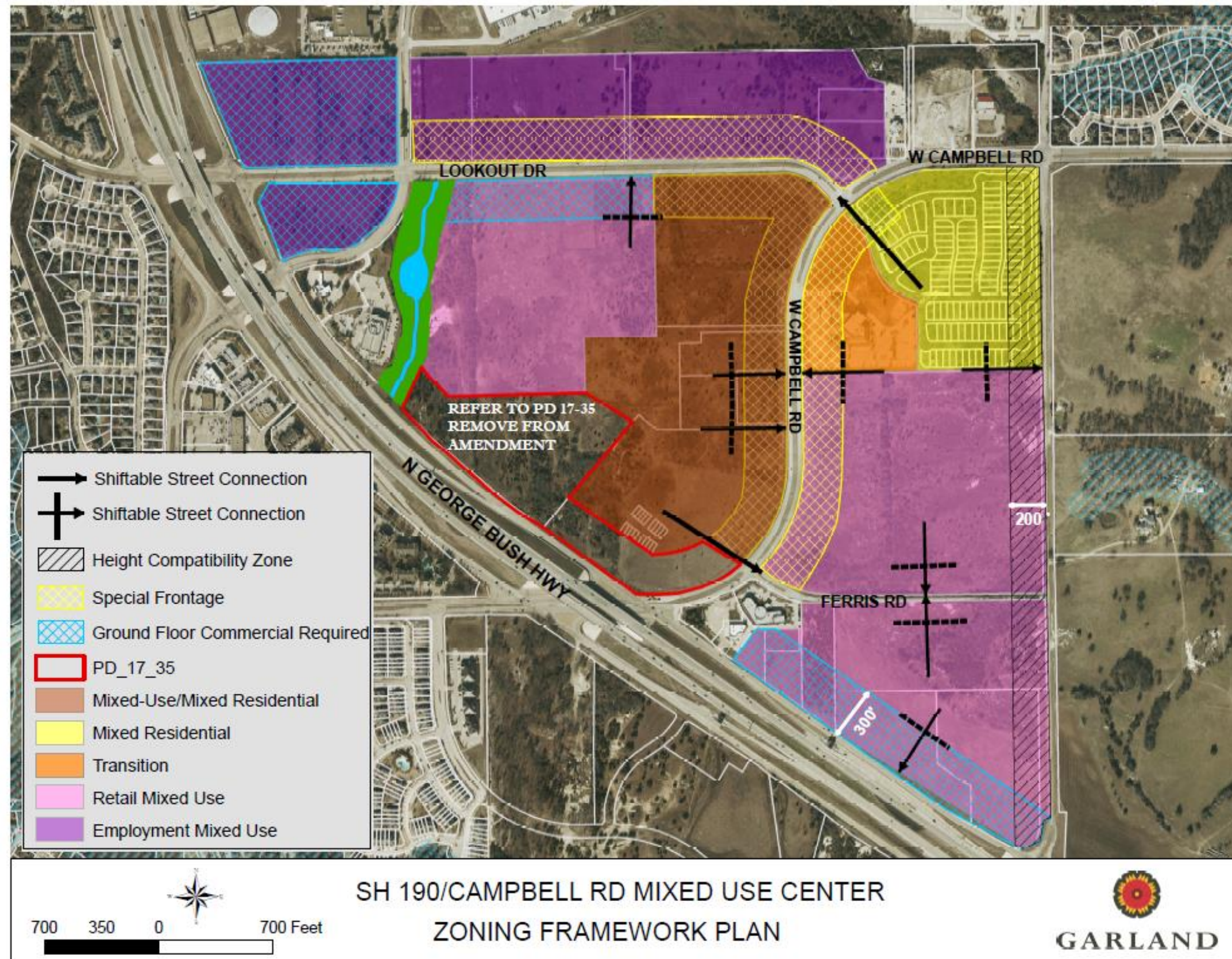
Means the block frontages identified as such on the adopted Detail Plan. Type “A” frontages are the primary pedestrian frontages and buildings along Type “A” frontages shall be held to the highest standard of pedestrian-oriented design. If Type “A” frontages are facing Type “B” frontages along the same street, the Type “B” frontages shall utilize enhanced streetscaping and/or landscaping to complement the streetscaping or landscaping utilized by the facing Type “A” Frontage including the screening of surface parking lots along the Type “B” Frontage in order to minimize the interruption to the quality of pedestrian experience along such frontage.

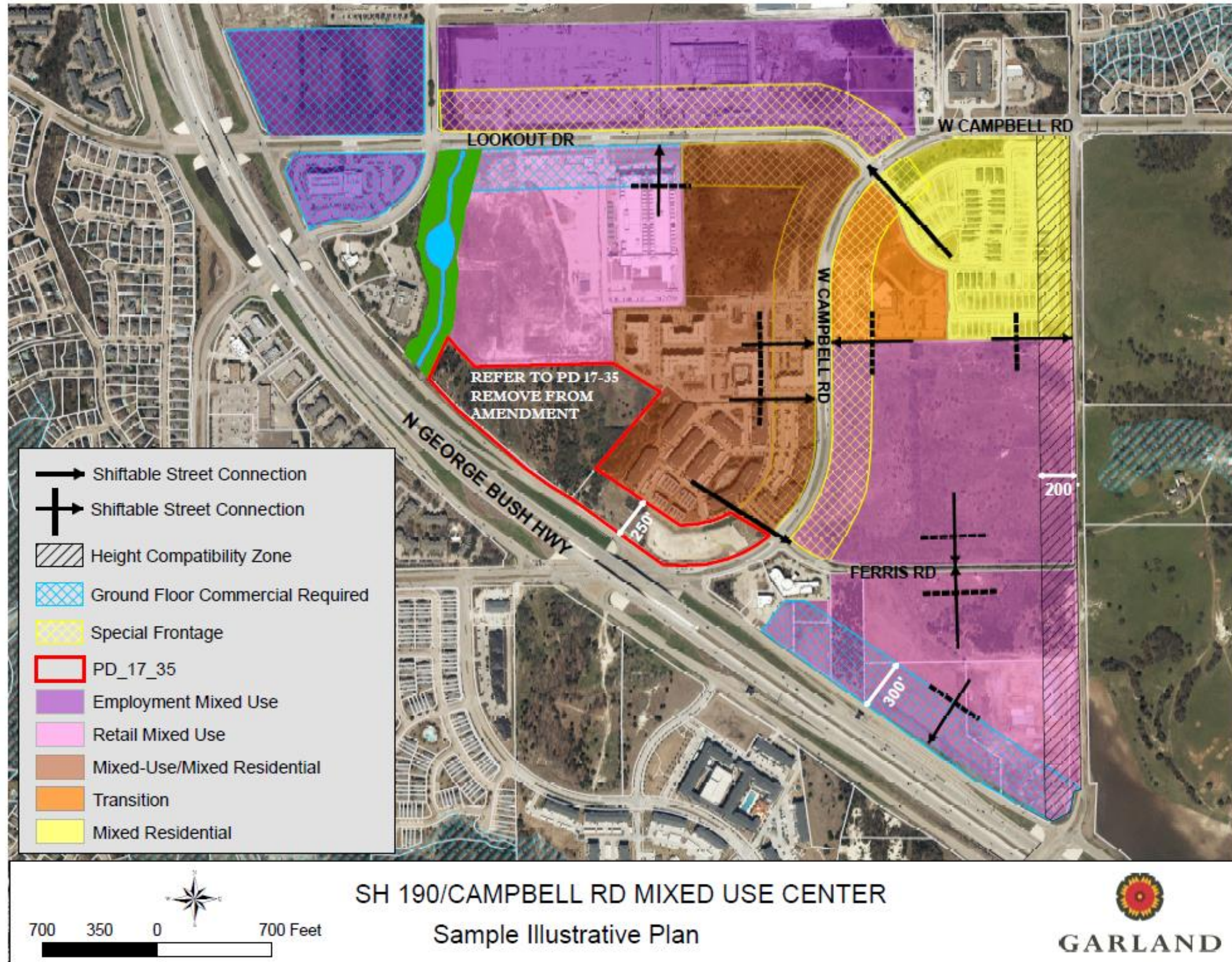
Type “B” Frontage

Means the block frontages identified as such on the adopted Detail Plan. Type “B” frontages are intended to primarily accommodate access to parking, service, utility, and other auto-related functions. See above requirement when Type “B” Frontages are located facing Type “A” Frontages along the same street

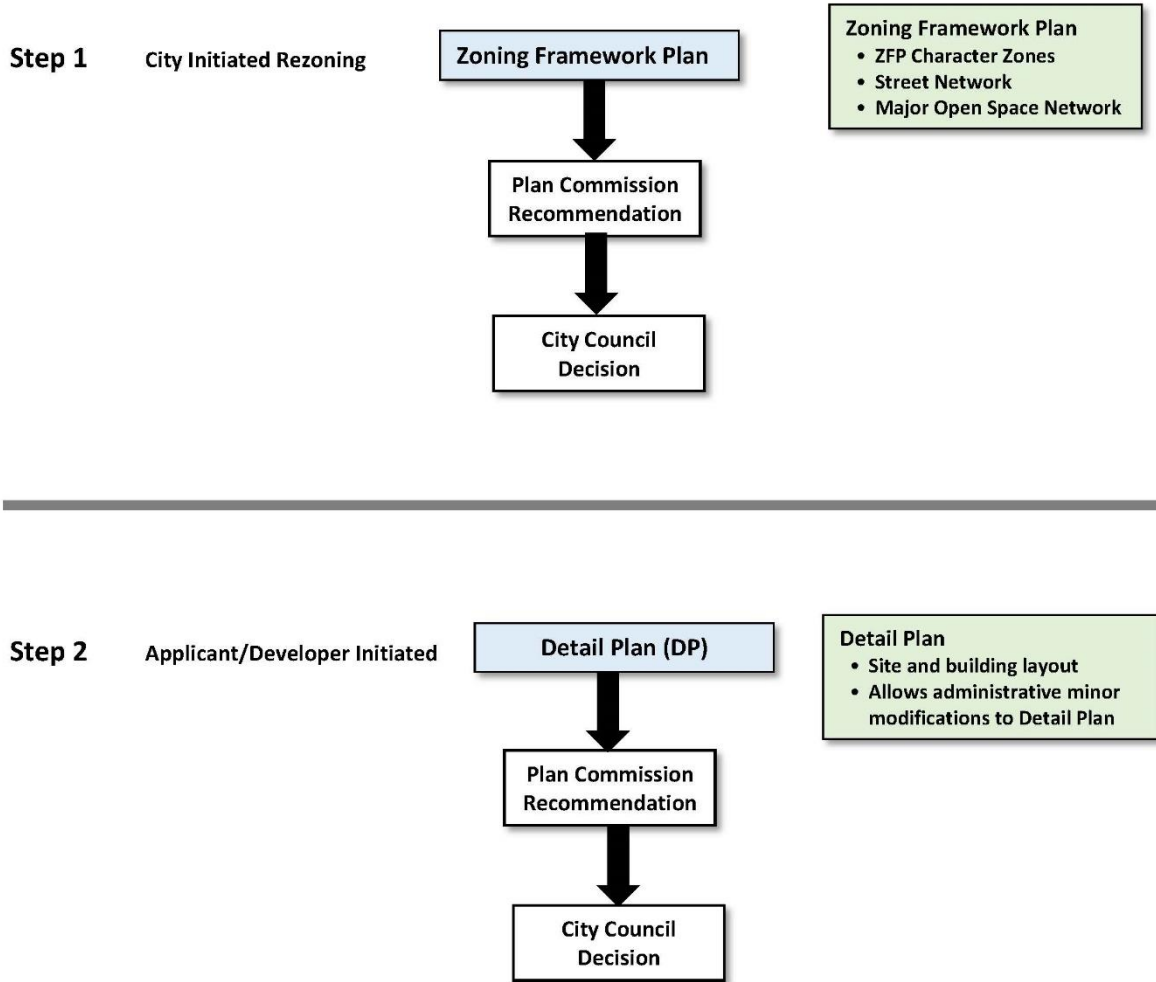
Zoning Framework Plan

Shall be the Zoning Map for the SH 190 MUC-PD which shall establish the boundaries of the different character zones, major roadway network, and open space locations.

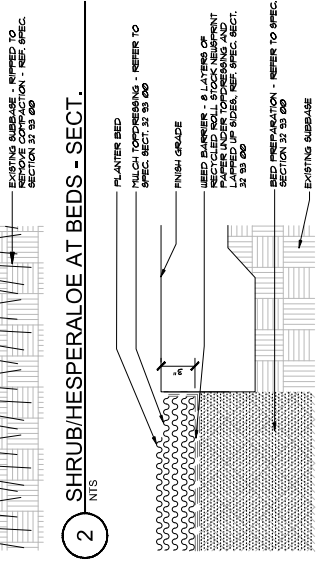
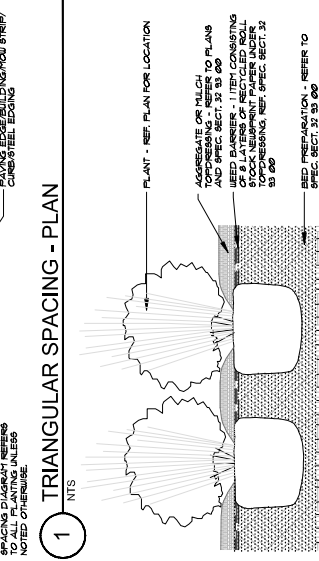
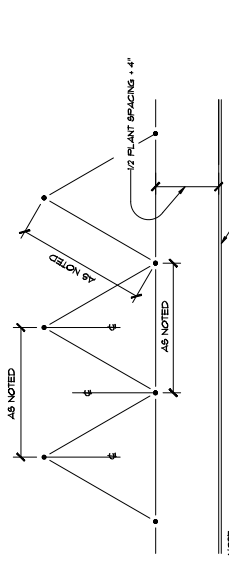
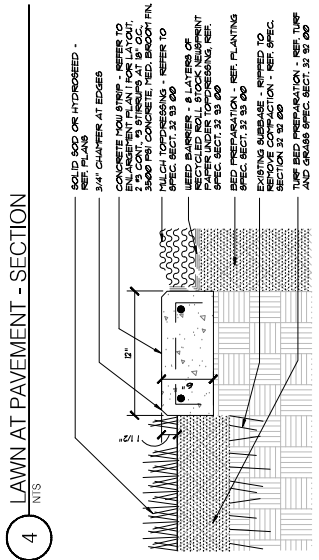
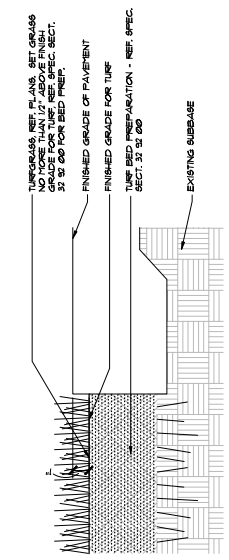




SH 190 FBC Structure and Review Process



REQUIRED LANDSCAPE PER CITY OF GARLAND - SCREENING AND LANDSCAPE		REQUIRED	PROVIDED	Comments
TOTAL LANDSCAPE AREA REQUIREMENT				
LANDSCAPE MATERIALS MUST COVER A MINIMUM OF 10% OF A TOTAL SITE AREA - 711,559 sq ft	71,155 sq ft	262,903 sq ft		Seeded, Soiled, Strip/Planter Beds referenced. Balance of undisturbed site supplemental.
LIVING LANDSCAPE COVERAGE REQUIRED BETWEEN BUILDING AND ANY STREET TIGHT OF WAY (plants, groundcover, turf, etc.)	NOT APPLICABLE	x		
LANDSCAPE BUFFERS				
TELECOM PKWY - COLLECTOR TYPE D1 (465 LF)	REQUIRED	PROVIDED	25-Ft	Comments
LANDSCAPE REQUIREMENT:	15-Ft	25-Ft		50-Ft AT DRIVE ENTRY
1. TREE PER 30 LF (3 ORN. = 1 SHADE TREE)	21.7	21.7		6 foot planter strip
7 SHRUBS OR ORNAMENTAL GRASSES	151	286		14 canopy, 24 ornamental
TURF GRASS MAXIMUM 75% COVERAGE OF BUFFER	18,317 sq ft 75% = 13,738 sq ft Max turf	4,501 sq ft		6,887 sq shrub bed & balance as drive, sidewalk, meadowland and columns
LOOKOUT DRIVE - ARTERIAL TYPE B (952 LF)				
LANDSCAPE REQUIREMENT:	15-ft	PROVIDED	75-ft	Comments
1. TREE PER 30 LF (3 ORN. = 1 SHADE TREE)	31.7	32		6 foot planter strip
7 SHRUBS OR ORNAMENTAL GRASSES	222	464		24 canopy, 24 ornamental
TURF GRASS MAXIMUM 75% COVERAGE OF BUFFER	73,314 sq ft 75% = 17,636 sq ft Max turf	5,044 sq ft		7,260 sq shrub bed & balance as sidewalk, meadowland and columns
N. PRES. GEORGE BUSH HIGHWAY (555 LF)				
LANDSCAPE REQUIREMENT:	20-ft	PROVIDED	25-ft	Comments
1. TREE PER 30 LF (3 ORN. = 1 SHADE TREE)	19	19		6 foot planter strip
7 SHRUBS OR ORNAMENTAL GRASSES	130	273		14 canopy, 15 ornamental
TURF GRASS MAXIMUM 75% COVERAGE OF BUFFER	13,861 sq ft 75% = 10,396 sq ft Max turf	4,316 sq ft		4,268 sq shrub bed & balance as sidewalk, meadowland and columns
N. PRES. GEORGE BUSH HIGHWAY (Balance of frontage)				
LANDSCAPE REQUIREMENT:	20-ft	PROVIDED	25-ft	Comments
1. TREE PER 30 LF (3 ORN. = 1 SHADE TREE)	19	19		6 foot planter strip
7 SHRUBS OR ORNAMENTAL GRASSES	130	273		14 canopy, 15 ornamental
TURF GRASS MAXIMUM 75% COVERAGE OF BUFFER	13,861 sq ft 75% = 10,396 sq ft Max turf	4,316 sq ft		4,268 sq shrub bed & balance as sidewalk, meadowland and columns
NTMWD Project No. 101-0338C-13 (May 2020) - Meter Vault Standardization Set Point Control Implementation Phase III				
LANDSCAPE REQUIREMENT:	Provided by project	Provided by project		Comments
1. TREE PER 30 LF (3 ORN. = 1 SHADE TREE)	19	19		6 foot planter strip
7 SHRUBS OR ORNAMENTAL GRASSES	130	273		14 canopy, 15 ornamental
TURF GRASS MAXIMUM 75% COVERAGE OF BUFFER	13,861 sq ft 75% = 10,396 sq ft Max turf	4,316 sq ft		4,268 sq shrub bed & balance as sidewalk, meadowland and columns
PARKING LOT LANDSCAPING AND SCREENING				
PARKING LOT TREES (1 TREE PER 10 PARKING SPACES)	REQUIRED	PROVIDED		
PARKING LOT TREES (1 TREE PER 10 PARKING SPACES)	NOT APPLICABLE	-		
PARKING LOT TREES (1 TREE WITHIN 65 FT OF PARKING SPACES)	NOT APPLICABLE	-		
PARKING LOT TREES AT TERMINUS OF EACH PARKING ROW (LARGE CANOPY TREE)	NOT APPLICABLE	-		
LIVING LANDSCAPE COVERAGE REQUIRED: 5% MIN. OF PARKING LOT	NOT APPLICABLE	-		
PARKING ISLANDS MIN. 6 FT x 18 FT	NOT APPLICABLE	-		
UP TO 30% OF LARGE TREES MAY BE SUBSTITUTED FOR ORNAMENTAL TREES AT A RATE OF 3 ORN. TREES TO 1 LARGE TREE	NOT APPLICABLE	-		
PARKING LOT SCREENING	REQUIRED	PROVIDED		
SCREENING OF PARKING WITH EITHER A ROW OF SHRUBS (MIN. 24" H) - AT INSTALLATION ON BELOW	NOT APPLICABLE	-		
PERIMETER SCREENING BETWEEN NONRESIDENTIAL AND SINGLE FAMILY DEVELOPMENTS REQUIRED	NOT APPLICABLE	-		
GROUND MOUNTED EQUIPMENT MUST BE SCREENED WITH EVERGREEN LIVING SCREEN, 10' HIGH, 10' WIDE, CIRCUMFERENCE	NOT APPLICABLE	-		



FOR BIDDING

DATE: _____

REVISIONS: _____

LANDSCAPE PLANTING DETAILS AND REQUIRED LANDSCAPE TABLE

NORTH GARLAND SYSTEM GROUND STORAGE TANKS

NORTH GARLAND MUNICIPAL WATER DISTRICT GARLAND, TEXAS

DRAWING NO. L-06 DATE: 2/28/2024

VERIFY SCALE: ORIGINAL DRAWING: 0" = 1'-0" (AS SHOWN) 1" = 1'-0" (AS SHOWN) SHEET ADJUST SCALES ACCORDINGLY.

DESIGN: _____ CHECKED: _____ APPROVED: _____ DATE: _____

PROJECT NO. 101-0572-20

FILE NO. _____

DATE: FEBRUARY 28, 2024

BY: _____

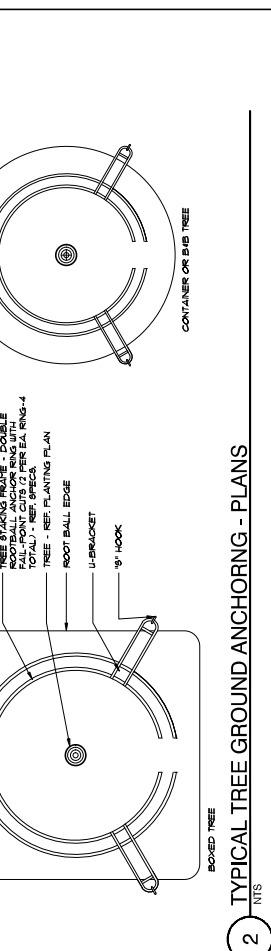
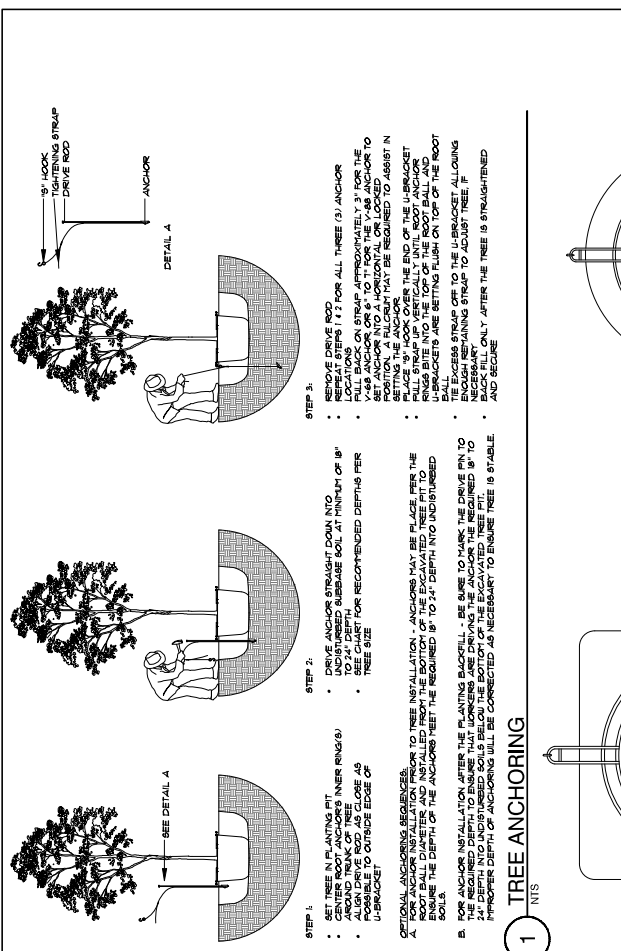
CS: JK

CSA Landscape Architecture, Inc. 1709 Westwood Park Ln. Dallas, TX 75235 P: 214-794-7000

CSA LANDSCAPE

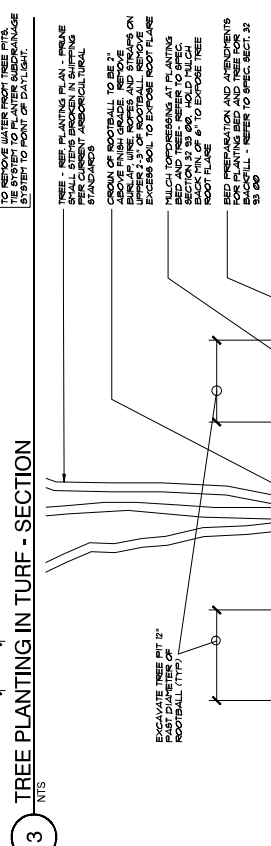
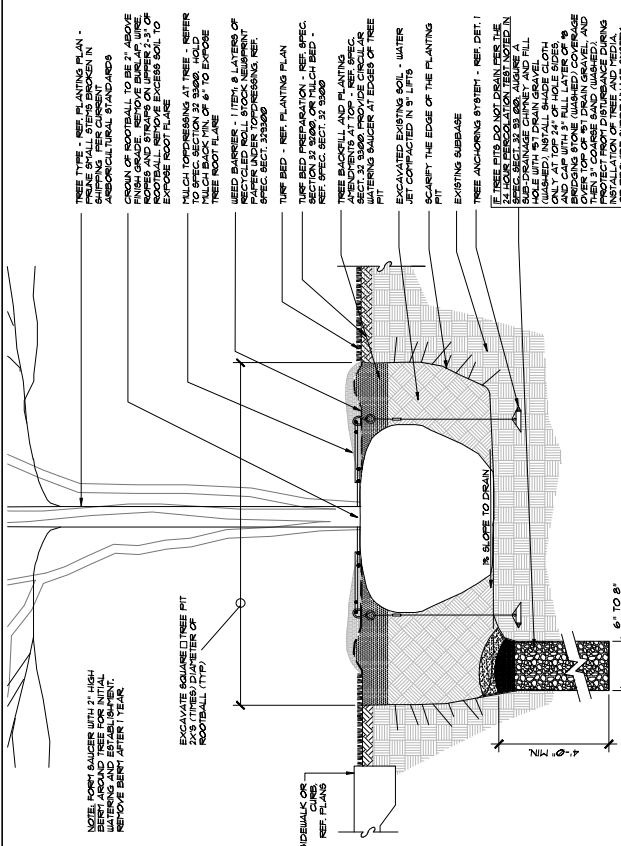
Shaping the built environment

IN INFRASTRUCTURE, LLC 10000 Westwood Park Ln. Dallas, TX 75235 P: 214-794-7000



1 TREE ANCHORING
NTS

2 TYPICAL TREE GROUND ANCHORING - PLANS
NTS



3 TREE PLANTING IN TURF - SECTION
NTS

4 MULTI-TRUNK TREE PLANTING/STAKING IN PLANTING BED - SECTION
NTS

REMOVE DRIVE ROD
SERIAL STEPS 1-7 FOR ALL THREE (3) ANCHOR
PULL BACK ON STRAP APPROXIMATELY 3" FOR THE
SET ANCHOR INTO A HORIZONTAL OR LOCKED
POSITION. A RIGIDITY MAY BE REQUIRED TO ASSESS IN
PLACE. 3" HOOK OVER THE END OF THE U-BRACKET
RINGS BITE INTO THE TOP OF THE ROOT BALL AND
U-BRACKETS ARE SETTING FLUSH ON TOP OF THE ROOT
THE EXCESS STRAP OFF TO THE U-BRACKET ALLOWING
EXCESS STRAP TO BE REMOVED. STRAP SHOULD BE
BACK FILL ONLY AFTER THE TREE IS STRAIGHTENED
AND SECURE.

FOR BIDDING
REVISIONS
LANDSCAPE
PLANTING DETAILS
DATE _____ BY _____

FOR BIDDING
REVISIONS
LANDSCAPE
PLANTING DETAILS
DATE _____ BY _____

DESIGN: _____
CHECKED: _____
APPROVED: _____
DATE: _____

PROJECT: _____
SHEET NO.: _____
FILE NO.: _____

DATE: FEBRUARY 28, 2024

DRIVING: L-07
VERIFY SCALE: _____

SCALE: _____
ORIGINAL DRAWING: _____
AS NOTED: _____
AS SHOWN: _____
SHEET ADJUST SCALES: _____
ACCORDINGLY: _____

2024 Professional Seal
1791 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

CCCA
COMMUNITY COLLEGE
CONSTRUCTION
MANAGEMENT
SCHOOL

Shaping the built environment
1000 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

INFRACONSTRUCTURE, LLC
1000 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

THE 9817.7366

DESIGN: _____
CHECKED: _____
APPROVED: _____
DATE: _____

PROJECT: _____
SHEET NO.: _____
FILE NO.: _____

DATE: FEBRUARY 28, 2024

DRIVING: L-07
VERIFY SCALE: _____

SCALE: _____
ORIGINAL DRAWING: _____
AS NOTED: _____
AS SHOWN: _____
SHEET ADJUST SCALES: _____
ACCORDINGLY: _____

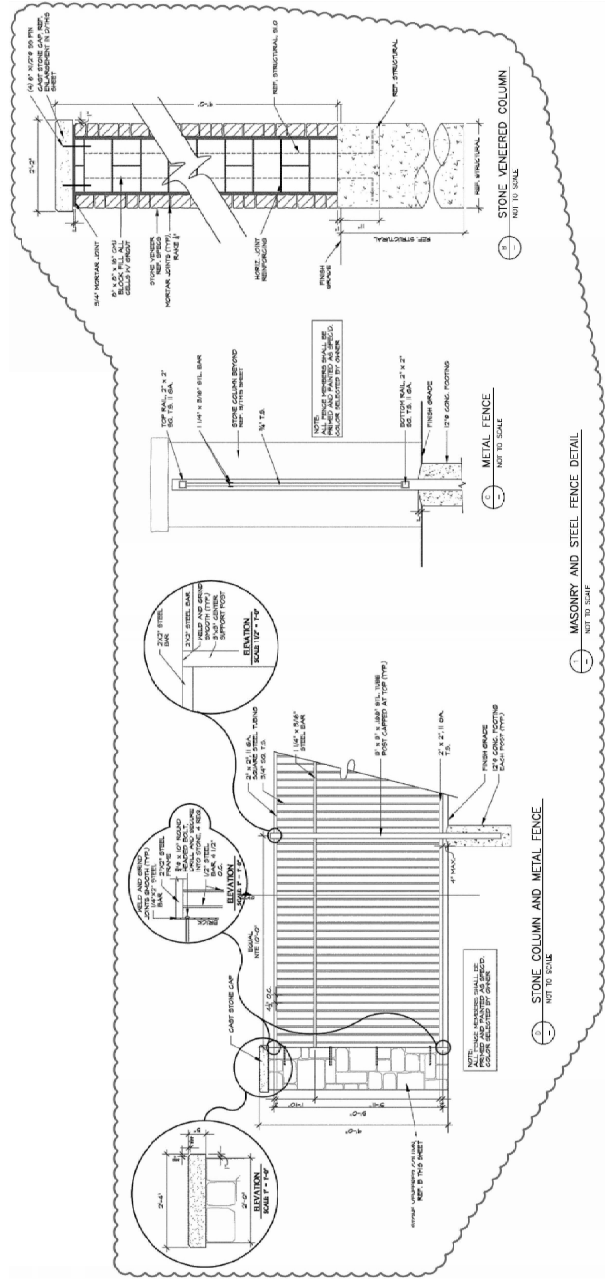
2024 Professional Seal
1791 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

CCCA
COMMUNITY COLLEGE
CONSTRUCTION
MANAGEMENT
SCHOOL

Shaping the built environment
1000 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

INFRACONSTRUCTURE, LLC
1000 Westwood Park Ln
Garland, TX 75042
P: 972-794-0108

THE 9817.7366



1 PERIMETER COLUMNS AND FENCE DETAILS
1" = 20'-0"

FOR BIDDING	
DATE	BY
REVISIONS	
LANDSCAPE FENCING DETAIL	
NORTH GARLAND SYSTEM GROUND STORAGE TANKS	
GARLAND, TEXAS	
DESIGN	PROJECT NO.
CHECKED	101-0572-20
APPROVED	FILE NO.
DATE	FEBRUARY 28, 2024



DRAWING NO. L-08C
DATE 2/28/2024
VERIFY SCALE
BY
ORIGINAL DRAWING
0
IN THE FIELD, CHECK FOR
SHEET ADJUST SCALES
ACCORDINGLY.



CCA Landscape Architecture, Inc.
1729 Woodridge Parkway, Suite 100
Dallas, Texas 75244
P: 214-774-7000
F: 214-774-7005

CCA Infrastructure, LLC
1729 Woodridge Parkway, Suite 100
Dallas, Texas 75244
P: 214-774-7000
F: 214-774-7005

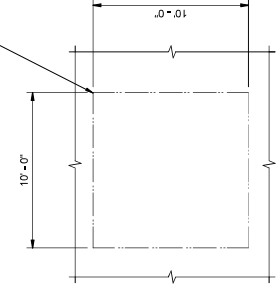
NOTE: ROOF SAFETY CABLING SYSTEM NOT SHOWN

CLEARSPAN DOME ROOF
SEE SPEC 33 16 13.16

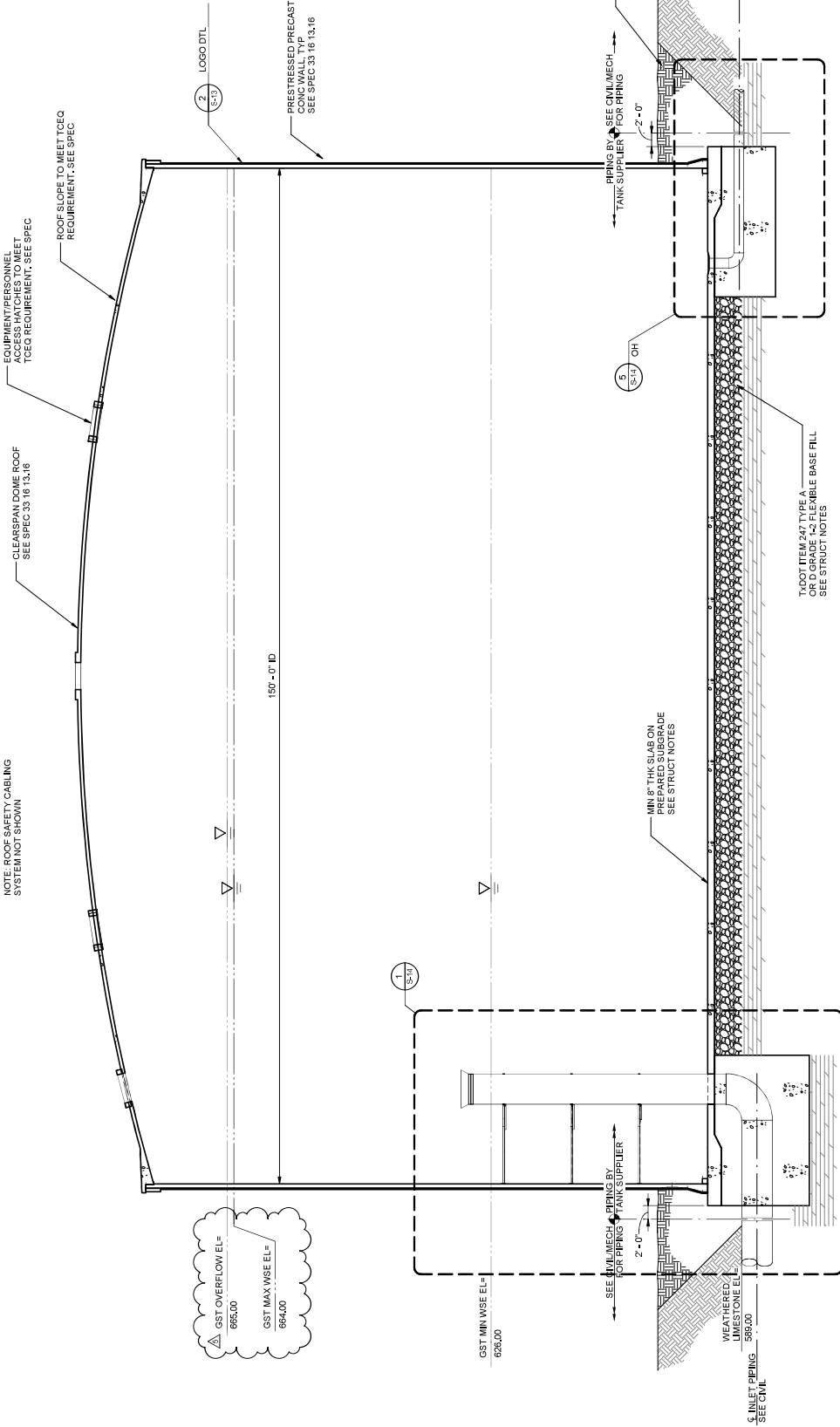
EQUIPMENT/PERSONNEL ACCESS HATCHES TO MEET TCEQ REQUIREMENT; SEE SPEC

ROOF SLOPE TO MEET TCEQ REQUIREMENT; SEE SPEC

PAINT NTMWD LOGO ON EXT FACE OF TANK. COORD FINAL LOCATION WITH OWNER



DETAIL 2
SCALE: 1/4" = 1'-0"



GROUND STORAGE TANK
SECTION 1
SCALE: 1/8" = 1'-0"

FOR BIDDING

DRAWN	LIST HEIGHT CHANGE	CS
07/19/24	FOR BID REV 2	CS
02/29/24	FOR BIDDING	CS
06/27/22	TCEQ REVIEW	CS
DATE	REVISIONS	BY

STRUCTURAL
GROUND STORAGE TANK SECTION

NORTH GARLAND SYSTEM GROUND STORAGE TANK

NORTH TEXAS MUNICIPAL WATER DISTRICT
GARLAND, TEXAS

DESIGN	CLARENCE L. GAZEL	PROJECT NO.	101-0572-20
CHECKED	LENNELL SOLO	EST. NO.	69
APPROVED	ESTORLY	FILE NO.	
DATE	AUGUST 09, 2021		



DRAWING NO. S-13

SCALE: AS SHOWN
ORIGINAL DRAWING
THIS SHEET, ADJUST SCALES ACCORDINGLY

Shipping to bill enclosure

KLING STUBBINS
CONSTRUCTION, LLC
10000 WEST 10TH STREET
DALLAS, TEXAS 75243
972.382.2500
WWW.KSLLC.COM
PROJECT NO. 1003931