	AGENDA ITEM EXECUTIVE SUMMARY			Agen	da Item Number: IIC3	
	Title:	Motion to approve An Ordinance Granting Approval of a Map Amendment, Special Use for Planned Unit Development and PUD Preliminary Plan for Munhall Glen				
CITY OF ST. CHARLES ILLINOIS • 1834	Presenter:	Russell Colby				
Meeting: City Council Date: November 16, 2020						
Proposed Cost: \$			Budgeted Amount: \$		Not Budgeted:	
Executive Summary (if not budgeted please explain):						
Munhall Glen is a 50-unit single family residential subdivision and PUD proposed for a 15-acre site west of Tyler Road at Munhall Ave. The Planning & Development Committee recommended approval of the Munhall Glen PUD project at the October 12, 2020 meeting. The vote was 8-0, with 1 recused.						
		-	er the Committee recommendation.			
• School/Park	Land Cash ar	nd Inc	lusionary Housing Fee-in-lieu payrs based on the 2021 fee recently set		•	
• The off-site portion of South Avenue to the west will be improved as an emergency access only and not improved as a public street.						
the project,	with a reduction	on foi	reloper for the cost of re-routing a s "oversizing" of the on-site sewers 5500,000, but will be defined during	that wo	uld otherwise be required.	
The approval of the Preliminary Plans is subject to resolution of outstanding staff comments during Final Engineering review.						
Attachments (please list): Ordinance						

Recommendation/Suggested Action (briefly explain):

Motion to approve An Ordinance Granting Approval of a Map Amendment, Special Use for Planned Unit Development and PUD Preliminary Plan for Munhall Glen

City of St. Charles, Illinois Ordinance No. 2020-Z-

An Ordinance Granting Approval of a Map Amendment, Special Use for Planned Unit Development and PUD Preliminary Plan for Munhall Glen

WHEREAS, on or about July 30, 2020, Airhart Construction Corp. (the "Applicant") filed petitions for Special Use for Planned Unit Development and PUD Preliminary Plan, and on or about August 11, 2020, the Applicant filed a petition for Map Amendment from M-2 Limited Manufacturing District and RS-4 Suburban Single-Family Residential District to RS-4 Suburban Single-Family Residential District, all for the real estate legally described on Exhibit "A" attached hereto and incorporated herein (the "Subject Property"), for the purpose of developing a 50-lot single-family residential subdivision; and,

WHEREAS, Notice of Public Hearing on said petitions for Map Amendment and Special Use for Planned Unit Development was published on or about August 21, 2020 in a newspaper having general circulation within the City, to-wit, the Daily Herald newspaper, as required by the statutes of the State of Illinois and the ordinances of the City; and,

WHEREAS, pursuant to said Notice, the Plan Commission conducted a public hearing on or about September 9, 2020 on said petitions in accordance with the statutes of the State of Illinois and the ordinances of the City; and,

WHEREAS, at said Public Hearing, the Applicant presented testimony in support of said petitions and all interested parties had an opportunity to be heard; and,

WHEREAS, the Plan Commission recommended approval of said Map Amendment, Special Use for Planned Unit Development, and PUD Preliminary Plan petitions on or about September 9, 2020; and,

WHEREAS, the Planning & Development Committee of the City Council recommended approval of said petitions on or about October 12, 2020; and,

WHEREAS, the City Council of the City of St. Charles has received the recommendations of the Plan Commission and Planning & Development Committee and has considered the same.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ST. CHARLES, KANE AND DUPAGE COUNTIES, ILLINOIS, as follows:

- 1. The preambles set forth hereinabove are incorporated herein as substantive provisions of this Ordinance as though fully set out in this Section 1.
- 2. That passage of this Ordinance shall constitute approval of the petition for a Map Amendment for the Subject Property from the M-2 Limited Manufacturing District and the RS-4 Suburban Single-Family Residential District to the RS-4 Suburban Single-Family Residential

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District, and the Findings of Fact for Map Amendment attached hereto and incorporated herein as Exhibit "B" are expressly adopted by the corporate authorities of the City.

- 3. That passage of this Ordinance shall constitute approval of a Special Use for Planned Unit Development pursuant to the provisions of Title 17 of the St. Charles Municipal Code, as amended, and based upon the Applicant's petitions and the evidence presented at the Public Hearing, the City Council hereby finds that the Special Use for Planned Unit Development is in the public interest and adopts the Criteria for Planned Unit Developments, set forth on Exhibit "C", which is attached hereto and incorporated herein.
- 4. That passage of this Ordinance shall constitute approval of the PUD Preliminary Plan, incorporated herein as Exhibit "D", such that the following documents and illustrations are hereby approved, reduced copies of which are attached hereto, subject to satisfactory resolution of all outstanding staff review comments and compliance with such conditions, corrections, and modifications as may be required by the Director of Community & Economic Development, Director of Public Works and Fire Chief to comply with the requirements of the St. Charles Municipal Code:
 - Preliminary Engineering Plans; Engineering Resource Associates; dated 7/24/2020
 - Landscape Master Plan; Airhart Construction; revisions dated 9/2/2020
 - Preliminary Plat of Subdivision; Engineering Resource Associates; dated 7/23/2020
 - Tree Inventory & Preservation Plan; Jay C. Peters; dated 7/11/2020
 - Sanitary Sewer Conceptual Layout; dated 7/24/2020
- 5. The Subject Property shall be developed only in accordance with all ordinances of the City as now in effect and as hereafter amended (except as specifically varied herein), and subject to the terms, conditions and restrictions set forth herein, as follows:
 - a. Zoning: The Subject Property shall be subject to the requirements of the RS-4 Suburban Single-Family Residential District, as amended, and all other applicable requirements of Title 17 of the St. Charles Municipal Code ("Zoning"), as amended, except as specifically varied in the "PUD Deviations" attached hereto and incorporated herein as Exhibit "E".
 - b. Owners' Association: The Applicant shall create one or more Owners' Associations and create a Declaration of Covenants, Conditions & Restrictions that clearly identifies all responsibilities of the Owners Associations with respect to the use, maintenance and continued protection of the common open space and improvements in the Subject Property, including, but not limited to stormwater detention facilities and common open space. Such Declaration shall be in a form reasonably acceptable to the City and shall be recorded immediately following the recording of the Final Plat of Subdivision for the Subject Property.
 - c. Special Service Area: The City shall initiate the formation of a Special Service Area for the purpose of maintaining and repairing stormwater management facilities and other facilities serving the Subject Property. Such Special Service

Area shall be of perpetual duration with a maximum rate sufficient to provide for maintenance, repair, and reconstruction of such facilities. Such Special Service Area may provide for maintenance by the City in the event that stormwater management facilities or other facilities are not adequately maintained by the Owner or successors.

- d. School and Park Contributions: The School and Park contributions shall be provided by the Applicant as cash in lieu of land contribution in accordance with the provisions of Title 16 of the St. Charles Municipal Code ("Subdivisions and Land Improvement"), as the same may be amended from time to time. The School and Park contributions may be paid on a per-unit basis, and receipts from the School and Park Districts shall be provided to the City showing payment of the applicable fees for each unit prior to issuance of a building permit for said unit.
- e. Inclusionary Housing: The Inclusionary Housing contribution shall be provided by the Applicant as a cash in lieu of affordable units in accordance with the provisions of Title 19 of the St. Charles Municipal Code, as the same may be amended from time to time. The Inclusionary Housing contribution may be paid to the City on a per-unit basis, prior to issuance of each building permit, or as a part of the fees due at the time of building permit issuance. The Inclusionary Housing contribution shall be provided based on the 2021 Inclusionary Housing Fee of \$15,866.30 per required affordable unit (or \$1,554.90 per unit, based on 49 additional units within the subdivision).
- f. Guarantee and Land Improvement Agreement: A Guarantee for Completion of Land Improvements shall be provided in accordance with Title 16 of the St. Charles Municipal Code ("Subdivisions and Land Improvement"), as may be amended from time to time. The Guarantee shall be accompanied by a Land Improvement Agreement in substantially the form set forth in Appendix D of Title 16.
- g. South Avenue off-site improvement: As a part of the land improvements for the subdivision, the unimproved portion of South Avenue located immediately to the west of the Subject Property, approximately 350 ft. in length, shall be improved as an emergency access and shall be paved to meet the standards required for use by emergency vehicles. The width of emergency access shall meet the requirements of the Fire Code as determined by the City. Signage shall be posted limiting vehicular traffic to emergency and City vehicles only. The intent improving South Avenue within the Subject Property is to facilitate a future public street connection at the time of redevelopment of the adjoining properties to the west. The City may elect to further improve South Avenue and open the street to public traffic, subject to the approval of the City Council.
- h. Sanitary Sewer Trunk Line: As a part of the land improvements for the subdivision, the Applicant shall abandon an existing sanitary sewer trunk line on the north and west perimeter of the Subject Property and re-route the sewer through the subdivision as depicted on the attached Sanitary Sewer Conceptual

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Layout. The final design of the sanitary sewer is subject to review and approval by the City. Reimbursement for the engineering design shall be provided following Final Engineering Plan approval by the City. Applicant shall provide itemized invoices showing costs attributable to the sanitary sewer trunk line design.

The City shall reimburse the Applicant for the actual cost of abandonment, installation and applicable soft costs for the re-routed sanitary sewer trunk line, minus any savings due to "oversizing" sanitary sewers within the development. At the time of Final Engineering approval, an Engineer's Estimate shall be provided demonstrating the cost savings, if any, resulting from the replacement of otherwise required on-site sewers with the re-routed trunk line. This savings shall constitute the "oversizing" amount to be deducted from the reimbursement.

Reimbursement for installation shall be provided at the time of reduction of the Financial Guarantee for the sanitary sewer trunk line. Applicant shall provide lien waivers and contractor's statements demonstrating the actual construction cost.

6. That after the adoption and approval hereof, the Ordinance shall (i) be printed or published in book or pamphlet form, published by the authority of the Council, or (ii) within thirty (30) days after the adoption and approval hereof, be published in a newspaper published in and with a general circulation within the City of St. Charles.

PRESENTED to the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois this 16th day of November 2020.

PASSED by the City Council of the City of St. Charles, Kane and DuPage Counties, Illinois this 16th day of November 2020.

APPROVED by the Mayor of the City of St. Charles, Kane and DuPage Counties, Illinois this 16th day of November 2020.

	Raymond P. Rogina, Mayor
Attest:	
Charles Amenta, City Clerk	
Vote:	
Ayes:	
Nays:	
Absent:	
Abstain:	

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Date:

EXHIBIT "A"

LEGAL DESCRIPTION

PARCEL 1: THAT PART OF THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE SOUTH 88 DEGREES 50 MINUTES 28 SECONDS WEST ALONG THE SOUTH LINE OF SAID SOUTHWEST QUARTER, 215.25 FEET TO THE CENTER LINE OF TYLER ROAD; THENCE NORTH 08 DEGREES 41 MINUTES 50 SECONDS EAST ALONG SAID CENTER LINE, 73.7 FEET FOR A POINT OF BEGINNING; THENCE SOUTH 89 DEGREES 23 MINUTES 00 SECONDS WEST 222.0 FEET; THENCE NORTH 08 DEGREES 41 MINUTES 50 SECONDS EAST PARALLEL WITH THE CENTER LINE OF SAID TYLER ROAD, 132.77 FEET; THENCE NORTH 85 DEGREES 33 MINUTES 00 SECONDS EAST 224.97 FEET TO THE CENTER LINE OF SAID TYLER ROAD; THENCE SOUTH 08 DEGREES 41 MINUTES 50 SECONDS WEST ALONG SAID CENTER LINE 148.01 FEET TO THE POINT OF BEGINNING, IN THE CITY OF SAINT CHARLES, KANE COUNTY, ILLINOIS.

PARCEL 2: THAT PART OF THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING ON THE SOUTH LINE OF THE RIGHT OF WAY OF THE CHICAGO AND GREAT WESTERN RAILROAD COMPANY AT A POINT 615.9 FEET WESTERLY FROM THE CENTER LINE OF A NORTH AND SOUTH ROAD IN SAID SOUTHWEST QUARTER, KNOWN AS TYLER'S ROAD, MEASURED ALONG THE SOUTHERLY LINE OF SAID RAILROAD RIGHT OF WAY; THENCE SOUTH 11 DEGREES 16 MINUTES EAST 895.5 FEET TO THE SOUTH LINE OF SAID SOUTHWEST QUARTER FOR A POINT OF BEGINNING; THENCE NORTH 11 DEGREES 16 MINUTES WEST 895.5 FEET TO THE SOUTH LINE OF SAID RAILROAD RIGHT OF WAY; THENCE WESTERLY ALONG THE SOUTHERLY LINE OF SAID RIGHT OF WAY 482 FEET; THENCE SOUTHERLY 914.3 FEET TO A POINT ON THE SOUTH LINE OF SAID SOUTHWEST QUARTER 1059.9 FEET WEST OF THE CENTER LINE OF SAID TYLER ROAD; THENCE EAST ALONG SAID SOUTH LINE 669 FEET TO THE POINT OF BEGINNING, IN THE CITY OF SAINT CHARLES, KANE COUNTY, ILLINOIS.

PARCEL 3: THAT PART OF THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID QUARTER; THENCE SOUTH 88 DEGREES 50 MINUTES 28 SECONDS WEST ALONG THE SOUTH LINE OF SAID QUARTER 215.25 FEET TO THE ORIGINAL CENTER LINE OF MUNHALL AVENUE (FORMERLY TYLER ROAD); THENCE NORTH 8 DEGREES 41 MINUTES 50 SECONDS EAST ALONG SAID ORIGINAL CENTER LINE 221.71 FEET FOR A POINT OF BEGINNING; THENCE SOUTH 8 DEGREES 41 MINUTES 50 SECONDS WEST ALONG SAID ORIGINAL CENTER LINE 95.20 FEET; THENCE NORTHEASTERLY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 233.0 FEET TANGENT TO A LINE DRAWN NORTH 39 DEGREES 33 MINUTES 44 SECONDS

EAST FROM THE LAST DESCRIBED POINT 89.15 FEET TO A LINE DRAWN CONCENTRIC WITH AND 40.0 FEET SOUTHWESTERLY OF THE PRESENT CENTER LINE OF TYLER ROAD; THENCE NORTHWESTERLY ALONG SAID CONCENTRIC LINE, BEING A CURVE TO THE RIGHT HAVE A RADIUS OF 1081.0 FEET; 43.34 FEET TO A LINE DRAWN NORTH 85 DEGREES 33 MINUTES 0 SECONDS EAST FROM THE POINT OF BEGINNING; THENCE SOUTH 85 DEGREES 33 MINUTES 0 SECONDS WEST 39.68 FEET TO THE POINT OF BEGINNING, IN THE CITY OF SAINT CHARLES, KANE COUNTY, ILLINOIS.

PARCEL 4: THAT PART OF THE SOUTHWEST QUARTER OF SECTION 26 AND PART OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE SOUTH 88 DEGREES 50 MINUTES 28 SECONDS WEST ALONG THE SOUTH LINE OF SAID SOUTHWEST QUARTER, 215.25 FEET TO THE CENTER LINE OF TYLER ROAD FOR THE POINT OF BEGINNING; THENCE NORTH 08 DEGREES 41 MINUTES 50 SECONDS EAST ALONG SAID CENTER LINE, 73.7 FEET; THENCE SOUTH 89 DEGREES 23 MINUTES 00 SECONDS WEST 222.0 FEET; THENCE NORTH 08 DEGREES 41 MINUTES 50 SECONDS EAST PARALLEL WITH THE CENTER LINE OF SAID TYLER ROAD, 132.77 FEET; THENCE SOUTH 85 DEGREES 33 MINUTES 00 SECONDS WEST 237.82 FEET; THENCE SOUTH 10 DEGREES 39 MINUTES 00 SECONDS EAST 194.53 FEET TO THE NORTH EAST CORNER OF PHASE NO. 1 CAMBRIDGE, SAINT CHARLES, KANE COUNTY, ILLINOIS; THENCE SOUTH 17 DEGREES 28 MINUTES 03 SECONDS EAST ALONG A NORTHEASTERLY LINE OF SAID PHASE NO. 1, 253.08 FEET; THENCE NORTH 72 DEGREES 44 MINUTES 11 SECONDS EAST 305.44 FEET OT THE CENTER LINE OF SAID TYLER ROAD; THENCE NORTHERLY ALONG SAID CENTER LINE 160.54 FEET TO THE POINT OF BEGINNING IN THE CITY OF SAINT CHARLES, KANE COUNTY, ILLINOIS.

PARCEL 5: THAT PART OF THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 40 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID QUARTER; THENCE SOUTH 88 DEGREES 50 MINUTES 28 SECONDS WEST ALONG THE SOUTH LINE OF SAID QUARTER 215.25 FEET TO THE ORIGINAL CENTER LINE OF MUNHALL AVENUE (FORMERLY TYLER ROAD); THENCE NORTH 8 DEGREES 41 MINUTES 50 SECONDS EAST ALONG SAID ORIGINAL CENTER LINE 221.71 FEET FOR A POINT OF BEGINNING: THENCE SOUTH 08 DEGREES 41 MINUTES 50 SECONDS WEST ALONG SAID ORIGINAL CENTER LINE 95.20 FEET; THENCE SOUTHWESTERLY ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 233.00 FEET TANGENT TO A LINE DRAWN SOUTH 39 DEGREES 33 MINUTES 44 SECONDS WEST FROM THE LAST DESCRIBED POINT 52.64 FEET; THENCE NORTH 08 DEGREES 48 MINUTES 33 SECONDS EAST 138.04 FEET TO A LINE DRAWN SOUTH 85 DEGREES 33 MINUTES 00 SECONDS WEST FROM THE POINT OF BEGINNING; THENCE NORTH 85 DEGREES 33 MINUTES 00 SECONDS EAST 22.0 FEET TO THE POINT OF BEGINNING, IN THE CITY OF SAINT CHARLES, KANE COUNTY, ILLINOIS.

EXHIBIT "B"

FINDINGS OF FACT FOR MAP AMENDMENT

1. The existing uses and zoning of nearby property.

The property is currently zoned a mix of RS-4 and M-2. The property to he south is zoned RS-4 and so this property melds well to the existing residential. The property to the east is zoned M-2 and used as office space. The buildings have a residential feel and will work well with this property. The properties to the north and west are M-2 and St. Charles owned properties. The zoning change to this property will be a positive for this area and act well as a transition between the residential to the south and more commercial uses to the north.

2. The extent to which property values are diminished by the existing zoning restrictions.

The highest and best use of this property is residential under the RS-4 classification with a PUD. This property will fill a niche of unmet need of first floor master bedroom housing and is a much better use than the current M-2 zoning. The M-2 zoning in this location is unneeded due to the properties to the east of this property toward the DuPage Airport and the Route 64 corridor. The fact that this property has not been developed under M-2 and left as a field while every property around it has been developed is a testament to that fact. This property has been underperforming on the tax rolls as farm land and one residential property. The change in zoning will be a great benefit to the tax rolls and improve its value to the City of St. Charles.

3. The extent to which the reduction of the property's value under the existing zoning restrictions promotes the health, safety, morals or general welfare of the public.

This is not applicable. The current zoning has no benefit to the health, safety, morals or general welfare of the public. In fact, the change in zoning will be a great benefit of the health, safety, morals and general welfare of the public by meeting housing needs and creating a much more orderly procession of development.

4. The suitability of the property for the purposes for which it is presently zoned, i.e. the feasibility of developing the property for one or more of the uses permitted under the existing zoning classification.

The property is not suitable for the purpose for which it is presently zoned. The traffic patterns into the residential area make commercial traffic an issue as well as the location being into a residential neighborhood. The fact that it has sat for so long underutilized while every property around it many, many years ago had been developed is testament to the fact that the value of the property is not M-2. There are many much better options to the east for commercial usages and the best use of this property is rezoning to RS-4 under a PUD.

5. The length of time that the property has been vacant, as presently zoned, considered in the context of the land development in the area where the property is located.

This property is the last property in this area for development. It has been many years since all the properties around it have been developed and this property has sat underutilized. Due to the inadequacies for development as M-2 is the reason it has been left behind as other properties have been developed. The change in zoning to RS-4 PUD residential usage makes much more sense in this area.

6. The evidence, or lack of evidence, of the community's need for the uses permitted under the proposed district.

The rezoning of the property to RS-4 PUD will meet a substantial need of single level and first floor master bedroom homes in St. Charles. The demographics show that this is a substantial void in the market. The change in zoning allowing housing to be built on this property will allow those individuals who need first floor master bedrooms in St. Charles to stay in St. Charles rather than moving away from their community. It will create a better mix of housing in St. Charles meeting the needs of more residents and creating a greater mix of housing in the community.

7. The consistency of the proposed amendment with the City's Comprehensive Plan.

The change in zoning to RS-4 PUD conforms to the purposes and intent of the Comprehensive Plan by promoting development within the current boundaries of the City. It focuses development on an underutilized property thereby enhancing the tax base, utilizing surrounding infrastructure instead of needlessly extending infrastructure past undeveloped properties. It provides housing close to shopping districts and the downtown areas as well as promoting development in an area with significant road and transportation corridors promoting orderly and efficient development.

8. Whether the proposed amendment corrects an error or omission in the Zoning Map.

Not applicable.

9. The extent to which the proposed amendment creates nonconformities.

The rezoning of this property will not create any nonconformities.

10. The trend of development, if any, in the general area of the property in question.

The trend in development for M-2 is to be in better transportation corridors specializing in ease of commercial traffic flow for large trucks. This property odes not meet that need. The need is for residential in this area and this change in zoning will allow housing for those looking for single level living or first floor master bedrooms. Changing to RS-4 PUD allows for housing and will be a much better use for the property.

EXHIBIT "C"

CRITERIA FOR PLANNED UNIT DEVELOPMENTS

- i. The proposed PUD advances one or more of the purposes of the Planned Unit Development procedure stated in Section 17.04.400.A:
 - 1. To promote a creative approach to site improvements and building design that results in a distinctive, attractive development that has a strong sense of place, yet becomes an integral part of the community.
 - 2. To create places oriented to the pedestrian that promote physical activity and social interaction, including but not limited to walkable neighborhoods, usable open space and recreational facilities for the enjoyment of all.
 - 3. To encourage a harmonious mix of land uses and a variety of housing types and prices.
 - 4. To preserve native vegetation, topographic and geological features, and environmentally sensitive areas.
 - 5. To promote the economical development and efficient use of land, utilities, street improvements, drainage facilities, structures and other facilities.
 - 6. To encourage redevelopment of sites containing obsolete or inappropriate buildings or uses.
 - 7. To encourage a collaborative process among developers, neighboring property owners and residents, governmental bodies and the community.

The proposed PUD promotes a creative solution to an unmet growing housing need of single story and first floor master bedroom housing. This housing will allow for longtime community residents, business people and leaders in St. Charles to remain in St. Charles as their housing needs change. The PUD zoning promotes creative housing and provides attractive streetscapes that incentivizes porches and pedestrian friendly neighborhoods. It promotes social interaction by providing sidewalks, paths, neighbourhood connection areas as well as connection to a potential linear park to the north of the property. The PUD provides a harmonious usage of the property by changing a potential heavy commercial use of the property to residential use more in scale with the residential use to the south and the less intense commercial use to the east. The development of this property will promote higher levels of landscaping and higher quality tress than currently exist on the property as uncontrolled Buckthorn, Honeysuckle, Mulberry, Box Elder, etc. and other invasive landscaping is allowed to multiply. The installation of detention areas with natural landscaping will enhance water quality and native plants. Munhall Glen will be a benefit to future residents, the surrounding neighboors, local businesses and the City of St. Charles.

- ii. The proposed PUD and PUD Preliminary Plans conform to the requirements of the underlying zoning district or districts in which the PUD is located and to the applicable Design Review Standards contained in Chapter 17.06, except where:
 - A. Conforming to the requirements would inhibit creative design that serves community goals, or

B. Conforming to the requirements would be impractical and the proposed PUD will provide benefits that outweigh those that would have been realized by conforming to the applicable requirements.

Factors listed in Section 17.04.400.B shall be used to justify the relief from requirements:

- 1. The PUD will provide community amenities beyond those required by ordinance, such as recreational facilities, public plazas, gardens, public are, pedestrian and transit facilities.
- 2. The PUD will preserve open space, natural beauty and critical environmental areas in excess of what is required by ordinance or other regulation.
- 3. The PUD will provide superior landscaping, buffering or screening.
- 4. The buildings within the PUD offer high quality architectural design.
- 5. The PUD provides for energy efficient building and site design.
- 6. The PUD provides for the use of innovative stormwater management techniques.
- 7. The PUD provides accessible dwelling units in numbers or with features beyond what is required by the Americans with Disabilities Act (ADA) or other applicable codes.
- 8. The PUD provides affordable dwelling units in conformance with, or in excess of, City policies and ordinances.
- 9. The PUD preserves historic buildings, sites or neighborhoods.

The proposed RS-4 PUD and PUD Preliminary Plans provide a significantly more harmonious usage of the property than the current more intrusive usage and negative impact on the surrounding properties of the existing M-2 (industrial) zoning classification currently in place. By allowing for the PUD the property will be able to meet a significant housing need in the community of single level and first floor master bedroom housing. This housing would not be allowed in the M-2 zoning classification. By changing the zoning and allowing the PUD, storm water facilities, open space, and sidewalks and paths will allow for residents to enjoy the open space and property as well as provide for a pedestrian connection to the potential linear park to the north. The planned landscaping will be a significant improvement to the invasive species currently on the property and the trees planted as part of the development will be a significant improvement. Due to the size and shape of the property by downzoning the property to an RS-4 PUD it allows for implementation of a variety of lot sizes which provides for varied architecture, improved rear yard setbacks and a unique streetscape that incentivizes porches and neighbour interaction than the current M-2 zoning classification allows. The development will provide stormwater facilities with native species enhancing the water quality where currently no storm water facilities exist. The RS-4 PUD will enhance the opportunity for single level living while not infringing on the size of the homes for the those requiring single level living. The PUD promotes quality residential development and provides good transitional zoning to benefit those properties that currently surround it. The development will be a benefit to the City of St. Charles housing and significant increase in tax base.

iii. The proposed PUD conforms with the standards applicable to Special uses (section 17.04.330.C.0):

A. Public Convenience: The Special Use will serve the public convenience at the proposed location.

The Special Use will serve the public convenience at Munhall Glen by filling a housing void in the market of single story and first floor master bedroom homes. This void in the market is causing those needing this type of housing to look outside of St. Charles even though they have been long time residents. In addition, by providing housing in this location it helps support area businesses and supports good planning putting residential housing close to both public and private amenities.

B. Sufficient Infrastructure: That adequate utilities, access roads, drainage and/or necessary facilities have been, or are being, provided.

There is sufficient infrastructure and utilities in this area to support the development. There is a major sanitary sewer main on the north end of the property installed for the future development of this property. The utility infrastructure installed on this property will help with the connectivity of utilities, specifically water main, which will help "loop" the water system in the area and provide for better servicing and water circulation. The installation of storm water controls and Best Management Practices on this property will provide stormwater detention where no stormwater controls currently exist. The traffic pattern will provide excellent vehicular movement because Munhall Glen exits onto a major collector, Tyler Road, which links to principal arterials of E. Main St. and Kirk Rd. providing for safe and efficient vehicular movement.

C. Effect on Nearby Property: That the Special Use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish or impair property values within the neighborhood.

Munhall Glen will not be injurious to the use and enjoyment of surrounding properties and it will act as an excellent transition from the commercial to the east and west and the residential to the south. By approving this Special Use, the downzoning of this property from M-2 Limited Manufacturing to RS-4 PUD will ensure a more harmonious residential usage of the property and ensure Munhall Ave. stays primarily a residential street rather than negatively impacted by commercial heavy trucking transportation uses.

D. Effect on Development of Surrounding Property: That the establishment of the Special Use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

The establishment of the Special Use will not impede the normal and orderly development and improvement of the surrounding properties due to the fact that all surrounding properties are currently developed. As the last piece of property in this area for development the approval of the Special Use will in fact promote a harmonious interconnecting and buffer for the surrounding properties.

E. Effect on General Welfare: That the establishment, maintenance or operation of the Special Use will not be detrimental to or endanger the public health, safety, comfort or general welfare.

The approval of the Special Use will not be detrimental to or endanger the public health, safety, comfort or general welfare. As planned, the property's development will provide buffering between different property usages, will extend and improve municipal infrastructure, and will provide housing needed in the City of St. Charles.

F. Conformance with Codes: That the proposed Special Use conforms to all existing Federal, State and local legislation and regulation and meets or exceeds all applicable provisions of this Title, except as may be varied pursuant to a Special Use for Planned Unit Development.

The proposed Special Use conforms to all applicable provisions of the St. Charles Municipal Code and meets or exceeds all applicable provisions of this Title, except as varied pursuant to the Special Use for Planned Unit Development. The Special Use for PUD zoning allows for a more inventive design, the average lot sizes are significantly larger than the minimum requirements, and the housing will be constructed at or above current codes and energy requirements. The Special Use and minor changes to the zoning requirements allows for an inventive solution for meeting a needed housing niche within the St. Charles housing stock.

iv. The proposed PUD will be beneficial to the physical development, diversity, tax base and economic well-being of the City.

The proposed PUD will be beneficial to the physical development, diversity, tax base and economic well-being of the City. The development of this property will improve connections to the water and sewer systems and provide storm water management facilities where none currently exist. It will provide a diversity of housing by providing single story and first floor master bedroom housing providing solutions for current St. Charles residents whose housing needs have changed over time and want to stay in the City due to civic, cultural, social and religious activities that they have long time connections. The PUD will substantially increase the tax base for the City, School District, Park District, etc. over the current use in perpetuity benefiting many taxing bodies. In addition, it provides housing close to many commercial districts benefiting many surrounding businesses and the economic wellbeing of the City.

v. The proposed PUD conforms to the purposes and intent of the Comprehensive Plan.

The proposed PUD conforms to the purposes and intent of the Comprehensive Plan by promoting development within the current boundaries of the City. It focuses development on an underutilized property thereby enhancing the tax base, utilizing surrounding infrastructure instead of needlessly extending infrastructure past undeveloped properties. It provides housing close to shopping districts and the downtown area as well as promoting development in an area with significant road and transportation corridors promoting orderly and efficient development.

\

EXHIBIT "D" PUD PRELIMINARY PLAN

MUNHALL GLEN

ST. CHARLES, IL 60174 JOB NO. 190726.C0 JULY 24TH, 2020 PRELIMINARY ENGINEERING

SECTION 26 T40N R8E



AREA SUMMARY 670.397 SF = 15.390 AC

ZONING CLASSIFIATION EXISTING = M-2 PROPOSED = RS-4

LOCATION MAP



2416 GALEN DRIVE CHAMPAIGN, ILLINOIS 61821 PHONE (217) 351-6268 FAX (217) 355-1902

3S701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555 PHONE (630) 393-3060 FAX (630) 393-2152

CHICAGO, ILLINOIS 60606 PHONE (312) 474-7841 FAX (312) 474-6099

10 S. RIVERSIDE PLAZA , SUITE 875

Nicholas A. Varchetto II P.F. NO. 062-068622

It's free It's the law It's smart Call before you dig 800.892.0123

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C-11.0 : C-11.1

- UTILITY INFORMATION IS BASED UPON FIELD MEASUREMENTS AND BEST AVAILABLE RECORDS. FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLIDE THE EXISTENCE OF OTHER UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123) 48 HOURS
 PRIOR TO ANY EXCAVATION WORK TO DETERMINE THE EXACT LOCATION OF
 EXISTING UTILITIES.
- EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING.
- DOCUMENTS:
 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN THE
 STATE OF ILLINOIS", ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST
- "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION.
- "ILLINOIS LIBRAN MANUAL"
- "DUPAGE COUNTY STORMWATER ORDINANCE" LATEST EDITION
- 5 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SINCE AND WARRING DEVICES TO INFORM AND PROTECT FOR PRESECT. THE MANUAL ON UNKNOWN TRAFFEE CONTROL DEVICES FOR STREETS AND HIGHWAYS.", AS ADOPTED BY THE ILLINOSI DEVARIMENT OF TRANSPICKETATION, LATEST EDITION, SHALL BE CONSISTED. APPROPRIATE CONTROL BETHOUGH SPRICED BY APPLIED TO THE SPECIFIC STRINGTIONS AND TYPES OF CONSISTENCTION OF DEPARTORS BERN PEPER ORDINER.
- THE CONTRACTOR SHALL ESTABLISH THE NECESSARY PERFORMANCE BONDS REQUIRED. PERMITS SHALL BE OBTAINED FROM ALL OUTSIDE GOVERNMENTAL AGENCIES HAVING JURISDICTION PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE MOST RECENT SET OF THE "APPROVED" FINAL ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES
 PRIOR TO THE START OF CONSTRUCTION AND WILL BE RESPONSIBLE FOR
 ANY DAMAGE TO THE SAME.
- 10. CONTRACTOR SHALL RESTORE OFF-SITE SURFACES TO ORIGINAL CONDITION IF DAMAGED BY CONSTRUCTION.
- THE CONTRACTOR IS TO PROVIDE THE CITY ENGINEER WITH RECORD DRAWINGS OF ALL UTILITIES SHOWING LOCATIONS OF ALL SEWER PIPE, MAINS, SERVICE STUBS, AND STRUCTURES.
- 12. THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE CONTRACTORS MEANS, METHODS, TECHNICIDES, SECURISES, OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECULTIONS AND PROGRAMS INCIDENT THERETO, AND THE SAFETY PRECULTIONS AND PROGRAMS INCIDENT THERETO, AND THE SAFETY WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAULE TO PREFORM OR FURNISH THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 13-THE REQUESTER WARRANTS THE CREASE, RECOMMENDATIONS, AND SEPCRICATIONS OF OWNER WEST RESOLUCIATION OF CONTROL ACTION O
- 5. AT LEAST 2 WORKING DAYS SEFORE COMMENCEMENT OF ANY WORK ACTIVITIES. THE CONTRIBUTION WILL BE SEQUISED TO ATTEMD AN OW. STIT MECONSTRUCT, OF CONTRIBUTION AND INCOMPRISED, AT INCOMPRISED, AT INCOMPRISED, AT INCOMPRISED, AT INCOMPRISED, AT INCOMPRISED, AND CONTRIBUTION OF THE CONTRIBUTION OF CONTRIBUTION OF THE PROJECT MANAGER, FIG. SUPERIOR THOODER AND THE REACHED AS HOUSED A DAY.
- 16. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO APPLY FOR ALL REQUIRED IEPA PERMITS AND COMPLY WITH ALL EPA RULES AND REGULATIONS.

- (1) ALL RIM AND INVERTS
 (2) GRADE INFLECTION POINTS WITH PERIODIC GRADES SHOT IN LEVEL AREAS
 (3) DETENTION POIN GRADES WITH VOLUME CALCULATION.
 (4) NOTE COMPARING A CTUAL TO REQUIRED POIND VOLUME
- DUST CONTROL WILL BE IN ACCORDANCE WITH IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRINDGE CONSTRUCTION IN THE STATE OF ILLINOIS", ILLINOIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

STORM SEWER:

- I. REBIFORCID CONCRETE PIPE STORM SEWER SHALL MEET OR EXCED THE RECORDANCES OF ASTRO-C'S CLASS III. PICE PIES STORM SEWER SHALL MEET OR SHALL REFER OF ASTRO-C'S CLASS III. PICE PIES STORM SEWER SHALL BET FOR SHALL BE FRANCISCOS IN ACCORDANCE WITH ASTRO ASTRO-C'S CHARLES OF ASTRO-C'S CHARLES STORM SEWER SHALL SH
- SEWER PIPE JOINTS SHALL BE "O-RING" TYPE ASTM C-443 FOR RCP AND SHALL BE PUSH-ON TYPE- ASTM D-3212 FOR PVC PIPE.
 VERTICAL SEPARATION WATERMAINS AND SEWERS:
- 1) A WATERMAN SHALL BE OPPMATED FROM A SEWER SO THAT THE DRAW OF SEWER WHENDERS WITH SHAPE SHAPE SO THAT THE DRAW OF SEWER WHENDERS WITERMANS CROSS STOM ASWERS. SMATTARY SEWERS OF SEWER SEWER CONCENTIONS. THE VIETNAL SEPARATION SHALL BE MAINTAINED FOR THAT FORTION WEIGHT AND SHAPE SAME SHAPE S
- 2.) BOTH THE WATERMAIN AND SEWER SHALL BE CONSTRUCTED OF SUP-ON OR MECHANICAL JOINT CAST OR DUCTILE ISON PIPE. ASSESTOS-CENENT PRESSURE PIPE, PRE-STRESSED CONCRETE PIPE, OR PIPC PIPE EQUIVALENT TO WATERMAIN STANDARDS OF
- A.) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (1) ABOVE, OR:
- B.) THE WATERMAIN PASSES UNDER A SEWER OR DRAIN.
- 4.) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATERMAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.
- MANHOLES AND CATCH BASINS SHALL BE PRECAST REINFORCED CONCRETE ASTM C-478 AND ASTM C-443 CONFORMING TO THE MINIMUM SIZE CRITERIA SPECIFIED IN THE PLANS.

- INLETS SHALL BE TWENTY-FOUR (24) INCH DIAMETER PRECAST REINFORCED CONCRETE CONFORMING TO ASTM C-478.
- 9. 6" OF CA-7 (ASTM C-33, SIZE NO. 67) SHALL BE USED AS BEDDING UNDER THE PIPE. THE BEDDING STONE SHALL BE GRADED ALONG THE ENTIRE LENGTH OF PIPE TO PROVIDE FULL BEARING. THE BEDDING STONE SHALL EXTEND TO THE SPRINGLINE OF THE PIPE.
- 10. RIM GRADES IN CURB AND GUTTER ARE EDGE OF PAVEMENT ELEVATIONS.
- LILENTINO, FIELD THE AND/OR DRAW PIPES INCOMPRIED DURING CONSTRUCTION OF PRATORS SHALL BE CONNECTED TO DURING CONSTRUCTION OF PRATORS SHALL BE CONNECTED TO DURING CONSTRUCTION OF PRATORS SHALL BE CONNECTED TO CONSTRUCT AND SHALL BE REPORTED AND THE CONSTRUCT AND SHALL BE REPORTED AND THE CONSTRUCTION AS RECORD AND THE REPORT AND THE CONSTRUCTION AS RECORD BY THE CONTRACTOR AND THREST OWNER TO THE DESCRIPTION AS TO CONSIGERED IN CONSTRUCTION AS TO CONSTRUCT AND THE CONSTRUCT OF THE SHALL BE ADDITIONAL CONSECUTION AS TO THE SHALL BE ADDITIONAL CONSECUTION OF THE SHALL BE ADDITIONAL CONSECUTION.
- 12. ALL FOOTING DRAINS AND DOWNSPOUTS SHALL DISCHARGE TO THE STORM SYSTEM.
- 13. ANY PIPES OR MANHOLES CONTAINING SEDIMENT SHALL BE CLEANED OUT PRIOR TO FINAL ACCEPTANCE.
- 14. ALL WINDOW WELLS, WHERE APPLICABLE, SHALL DISCHARGE TO THE STORM SYSTEM.
- 15. ALL MANHOLES IN PAVEMENT SHALL HAVE EXTERNAL CHIMNEY SEALS.

SANITARY SEWER:

- ALL PLEASE GOAVITY SANTARY SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH HATTIR 0-221-89. ALL FLEXIBLE GOAVITY SANTARY SEWER PIPE SHALL BE PIVE 502-8 PIPE MERTING. THE RECORDERATION OF ANY DAY WITH HATTIR 0-221-89. ALL FLEXIBLE SHALL BE AL
- 2. EMBEDMENT MATERIALS FOR BEDDING, HAUNCHING AND INITIAL BACKFILL TO AT LEAST TWELVE INCHES OVER THE TOP OF THE PIPE WITH 0.4.7, PROCESSED MATERIAL PRODUCES FOR HIGHMAY CONSTRUCTION USED IN THE PROJECT CLASSIFIED ACCORDING TO PARTICLE SIZE. SHAPE AND GRADATION IN ACCORDANCE WITH ASTIN D-221-89, SECTION 9, TABLE 1.
- ALL RIGID GRAWITY SEWER PIPE TO BE INSTALLED IN ACCORDANCE WITH ASTM C-12 AND BEDDING MATERIAL CA-7.
- THE MINIMUM BUILDING SANITARY SEWER SERVICE SIZE SHALL BE BE SIX (6) INCHES IN DIAMETER. THE SERVICE LATERAL SHALL SLOPE TOWARD THE MAIN AT THE MINIMUM RATE OF ONE (1) PERCENT.
- MANHOLES SHALL BE PRECAST REINFORCED CONCRETE- ASTM C-478 WITH TONGUE AND GROOVE JOINTS SEALED WITH GASKETS CONFORMING TO ASTM C-443 OR BITUMINOUS JOINTING MATERIAL
- NO MORE THAN TWO PRECAST ADJUSTING RINGS WITH A MAXIMUM HEIGHT ADJUSTMENT OF SIX INCHES SHALL BE ALLOWED.
- 9. MANHOLES SHALL INCLUDE EXTERNAL CHIMNEY SEALS.
- ALL SANITARY SEWER CONSTRUCTION REQUIRES SIX (6) INCHES OF CA-7 CRUSHED GRAVEL OR CRUSHED STONE BEDDING UNDER THE PIPE. BEDDING STONE SHALL EXTEND TO A POINT YNELVE INCHES ABOVE THE TOP OF PIPE.

- 12. BACKFILLING OF THE TRENCH SHALL BE ACCORPLISHED BY CAREFUL BEPLACEMENT OF THE EXCURATED MATTERAL AFTER THE FIFE, SECONIO, AND THE CONFOR MATERIAL HAVE BEEN INSTALLED, ANY PIPE INSTALLED UNDER OR WITHOUT FIVE OF FEET OF A PAREMENT ELOE, SIDEWIAL, OR CURB AND GOTTER SHALL BE BACKFILLED TO THE TOP OF THE TRENCH WITH CAT'S MATERIAL.
- "BAND-SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE DISSIMILAR MATERIALS. ALL CHANGES OF MATERIAL SHALL OCCUR INSIDE A MANHOLE.
- 14. HERE, SHALL COUR FINISE A AMMERICAL WHIST SHALL SO THER THAN HERE CONTERT THAN HER PROPERTY OF SHALL AND HERE CONTERT THAN HER PROPERTY OF SHALL AND HERE CONTERT THAN HER PROPERTY OF THE CONTERT OF SHALL AND HERE CONTERT THAN HERE CONTERT THA
- 15. MANHOLE FRAMES SHALL BE NEEMAN NO. R-1710 / WATERTIGHT LID OR EAST JORDAN IRON WORKS 1020AGS. ALL CLOSED LIDS SHALL HAVE A CONCEALED PICK HOLE. WATER AND SANITARY LIDS SHALL BE WERT TIGHT AND SELF-SEA ING. LIDS SHALL BE EMBOSSED WITH "SANITARY SEWER: AND CUTTY OF LIDGORY. LINESS OTHERWISE NOTICE."
- 16 ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER
- 17. ALL SANITARY SEWER PIPES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF WATER AND SEWER MAIN CONSTRUCTION IN ILLINOS, SA ANINIMAM, AND WITH CITY OF LOCKPORT SANITARY CODE REQUIREMENTS, INCLUDING VISUAL, TELEVISED, INFILITATION, ENFILITATION, ANT ESTS. LEARAGE TESTS AND DEFLECTION TESTS.
- E. THE SINES PAUL MET THE GROUDERMENT OF EXPERITATION OF AIR UNDER PRESSURE AND TELEVISION INSPECTION. PVC SEWER PRE-MIST MET'S PROFESSION FOR THE CONDUCTED BY THE PRESSURE AND TELEVISION INSPECTION. PVC SEWER PRE-MIST MET'S PROFESSION FOR THE CONDUCTED BY THE PRESSURE OF AN EMPLOYEE OF THE CITY AND THE EXCHINER'S REPRESINATION.

PAVEMENT, SIDEWALK:

- PAVEMENT THICKNESS SHALL COMPLY WITH DUPAGE COUNTY AND BURR RIDGE REQUIREMENTS.
- HANDICAPPED RAMPS AND DEPRESSED CURBS SHALL BE PROVIDED AT LOCATIONS SHOWN ON PLANS.
- 3. EXPANSION JOINTS SHALL BE PLACED, AS A MINIMUM AT ALL CONSTRUCTION JOINTS IN THE CUBB. TWO NO.4 REINFORCING BRAS SHALL BE PLACED CONTINUOUSLY BETWEEN EXPANSION JOINTS. EXPANSION JOINTS. EXPANSION JOINTS. SHALL BE DOWELED AND SPACED NO MORE THAN SIXTY (60) FEO OI CENTER.
- APPINED TO JALIES ANY ANAMENT MATERIAL THE CONTRACTOR
 IS RESPONDING TO SHORED WITH STRENGT AND COMPANY THE
 IS RESPONDING TO SHORED WITH A TREAT COMPANY AND ANY
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SOIL EROSION CONTROL PLAN:

- THE PROJECT AREA SHALL BE GRADED SO A MINIMAL AMOUNT OF STORM WATER RUNOFF AND LIKEWISE SOIL SEDIMENT WILL DISCHARGE UNIRESTRICTED FROM THE SITE.
- INLET PROTECTORS SHALL BE USED IN ALL STORM GRATES DURING CONSTRUCTION AND SHALL DEMAN IN PLACE UPIL THE RESTORATION IS SUFFICIENTLY ESTRAILED. THE WEEF A MAINTENANCE LOG.
 THE CITY ENGINEER CAN DETERMINE IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL RESISTOR AND SECTIONAL CONTROL PRACTICES ARE NEEDED FOR BETTER SOIL RESISTOR AND SECTIONAL CONTROL.
- SILT FENCING SHALL REMAIN IN PLACE THROUGH THE CONSTRUCTION
 OF HOUSE/BUILDINGS TO SERVE AS EROSION CONTROL FOR
 AT THAT CONSTRUCTION
- AT THAT CONSTRUCTION.

 TO PREVENT SOIL FROM LEAVING THE SITE ON CONSTRUCTION VEHICLE WHEELS, WORK ENTRANCES SHALL BE CONSTRUCTED OF GRAVEL AND SHALL EXTEND AT LEAST 100 FEET INTO THE DOB SITE THE EXISTING PAVEMENT SURFACES SHALL BE INSPICETED DAILY FOR SOIL DEBRIS AND SHALL BY SOFTED DAILY.
- DISPOSAL OF DEBRIS EXCAVATION AND PAVEMENT REMOVAL SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND CONSIDERED AS AN INCIDENTAL EXPENSE.
- 8. ANY TOPSOIL THAT WILL BE STOCKPILED ON SITE SHALL BE MANAGED IN ACCORDANCE WITH THE CURRENT MPDES REGULATIONS. IF THE STOCKPILE WILL REMAIN ON SITE FOR AN EXTENDED PRINCIP. IT SHALL BE TASKILIZED WITH GRASS AND/OR OTHER VEGETATION AND SILT FENCING SHALL BE PLACED MORNOW THE STOCKPILE.

- EXCAVATION OF TOPSOIL AND OTHER STRUCTURALLY UNSUITABLE
 MATERIALS MAY REQUIRE EARTH EXCAVATION AND COMPACTED
 EARTH FILL MATERIAL IN ORDER TO ACHIEVE THE PLAN SUBGRADE
- COMPACTION OF THE EXCAVATED MATERIAL PLACED IN AREAS NOT REQUIRING STRUCTURAL FILL SHALL BE MODERATE.
- EXCESS MATERIALS, IF NOT UTILIZED AS FILL OR STOCKPILED FOR FUTURE LANDSCAPING, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF BY THE CONTRACTOR.
- 5. EXCAVATION OF EARTH AND OTHER MATERIALS WHICH ARE SUITABLE FOR USE AS STRUCTURAL FILL: THE EXCAVATION SHALL BE TO WITHIN A TOLERANCE OF 0.3 -7. OF THE FLAM SIBERBADE ELEXATIONS. THE TOLERANCE WITHIN PAVENEST ARBAS SHALL BE SUCH THAT THE BATTH MATERIAL SHALL BALANCE AS PART OF THE FINE GRORNING OFERSTION.

- MARIAS.

 B PAMMENT FOR THE REMOVAL OF UNCULTRABE MATERIAL (DELIGIBATE TOPSOL), EXCHANTION SHALL BE MASTERIAL (DELIGIBATE TOPSOL), EXCHANTION SHALL BE MASTERIAL SHALL BE MASTERIAL SHALL BE MASTERIAL SHALL BE MATERIAL BE MATERIAL SHALL BE MATERIAL
- ALL DISTURBED AREAS SHALL BE RESTORED W/6" TOPSOIL AND SEED AND BLANKET UNLESS OTHERWISE INDICATED.
- 10. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO MAINTAIN ALL THE SEDIMENTATION CONTROL MEASURES. INSPECTIONS SHALL BE CONDUCTED AFTER A BAN EVENT, AND IF MAINTENANCE OF THE STRUCTURES IS NECESSARY, INCLUDING REPAIR OF DAMAGI AND REMOVAL OF DEPOSITS OR SEDIMENT FROM VEGETATIVE FILTERS, IT SHALL BE DOING BY THE DEVLOPED.

ALL ACCESS TO AND FROM THE CONSTRUCTION SITE IS TO BE RESTRICTED TO THE CONSTRUCTION ENTRANCE.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE EFFECTIVE PERFORMANCE OF THEIR INTENDED FUNCTION.

11. THE ENGINEER SHALL BE NOTIFIED OF MAJOR AMENDMENTS OF THE SITE DEVELOPMENT OR EROSION AND SEDIMENTATION CONTROL PLANS, WHICH WILL BE APPROVED IN THE SAME MANNER AS THE ORIGINAL PLANS.

- PLACEMENT OF THE EXCAVATED MATERIAL SHALL BE IN AREAS DESIGNATED BY THE OWNER FOR FUTURE USE, WITHIN AREAS TO BE LANDSCAPED, AND THOSE ARES NOT REQUIRING STRUCTURAL FILL MATERIAL.

- THE CONTRACTOR SHALL MAINTAIN PROPER SITE DRAININGS AT ALL TIMES DURRING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.

- INSTALL TEMPRARY EROSION CONTROL MEASURES.
 MASS GRADE SITE AND EXCAVATE DETENTION FACILITIES.
 CONSTRUCT UTILITIES AND PERFORM TREE REMOVALS.
 CONSTRUCT WILLITIES AND BUILDING FOUNDATIONS.
 PERFORM RESTORATION, STABILIZATION, AND REMOVAL OF TEMPORARY FROSION CONTROL MEASURES.



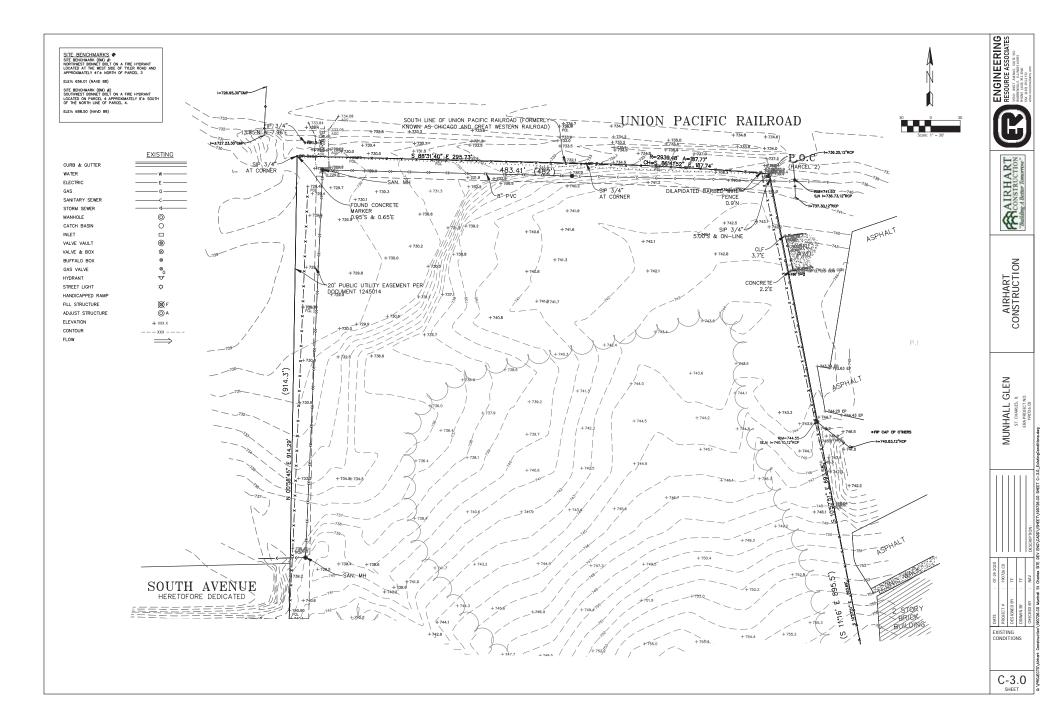


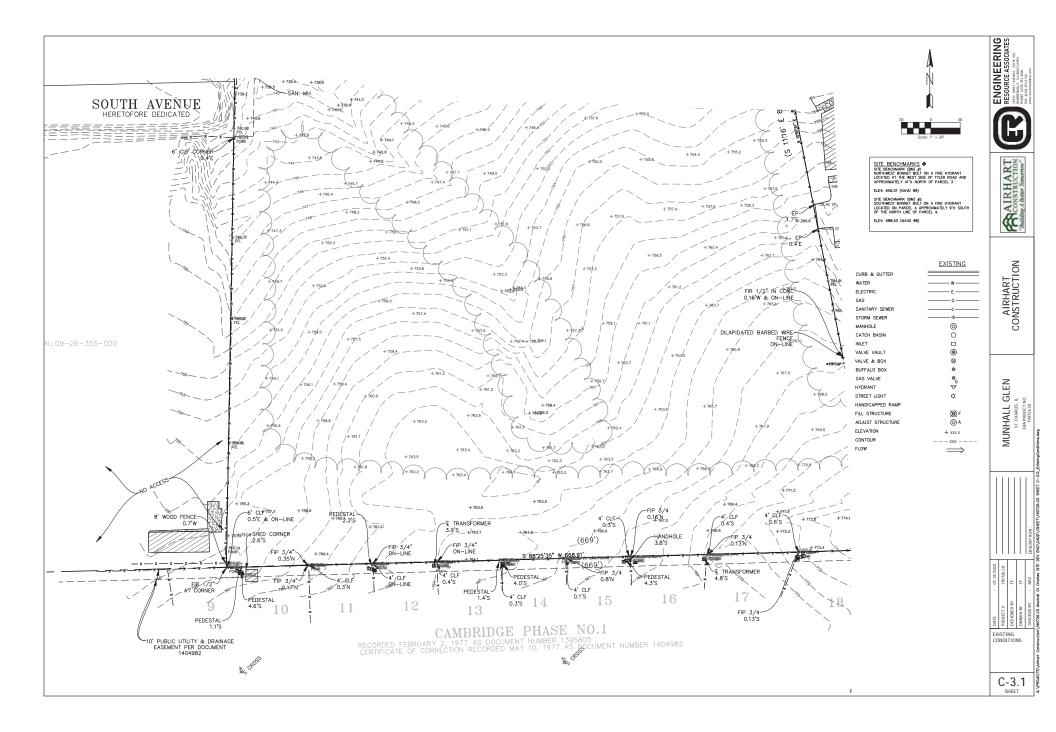


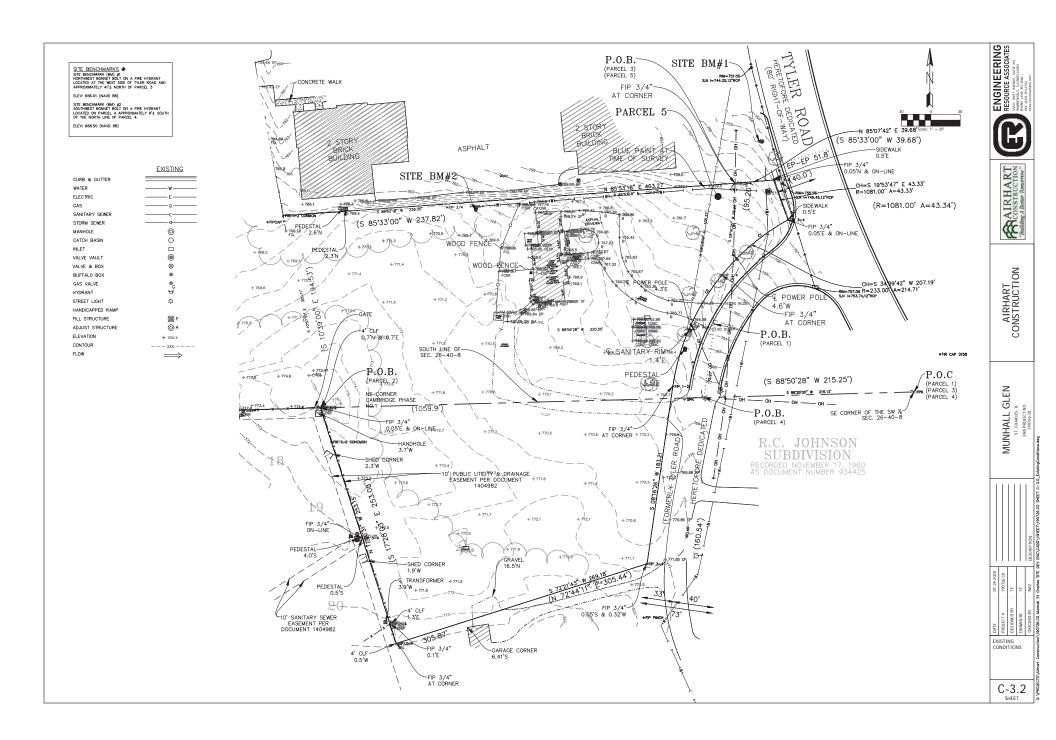


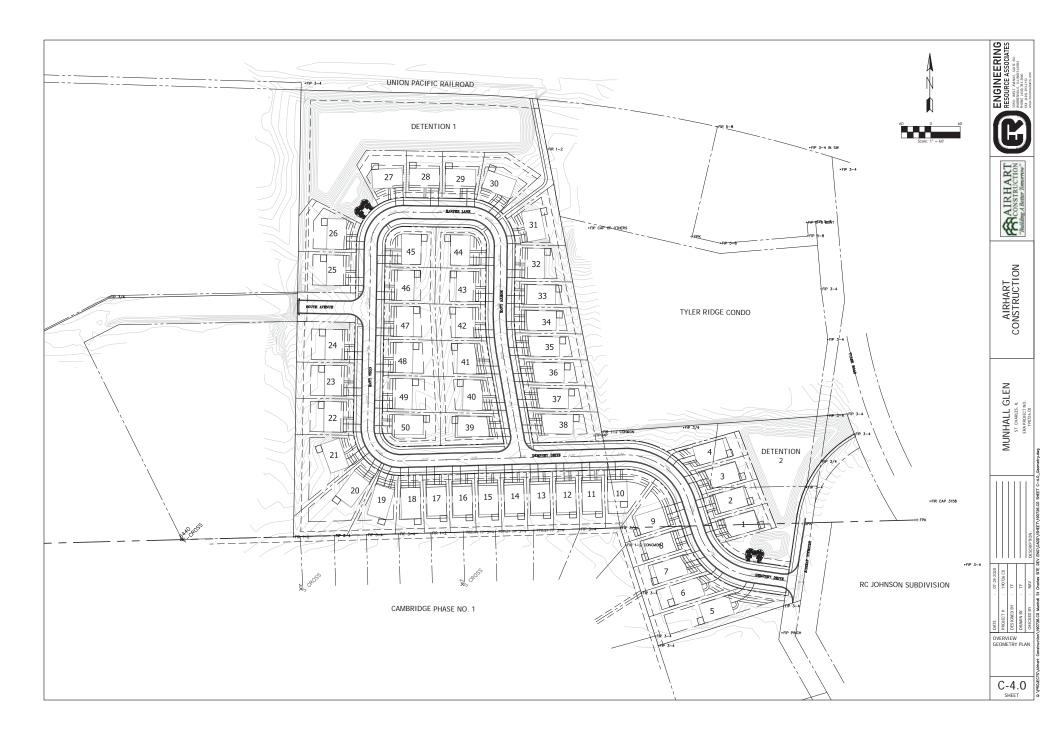
AIRHART CONSTRUCTION

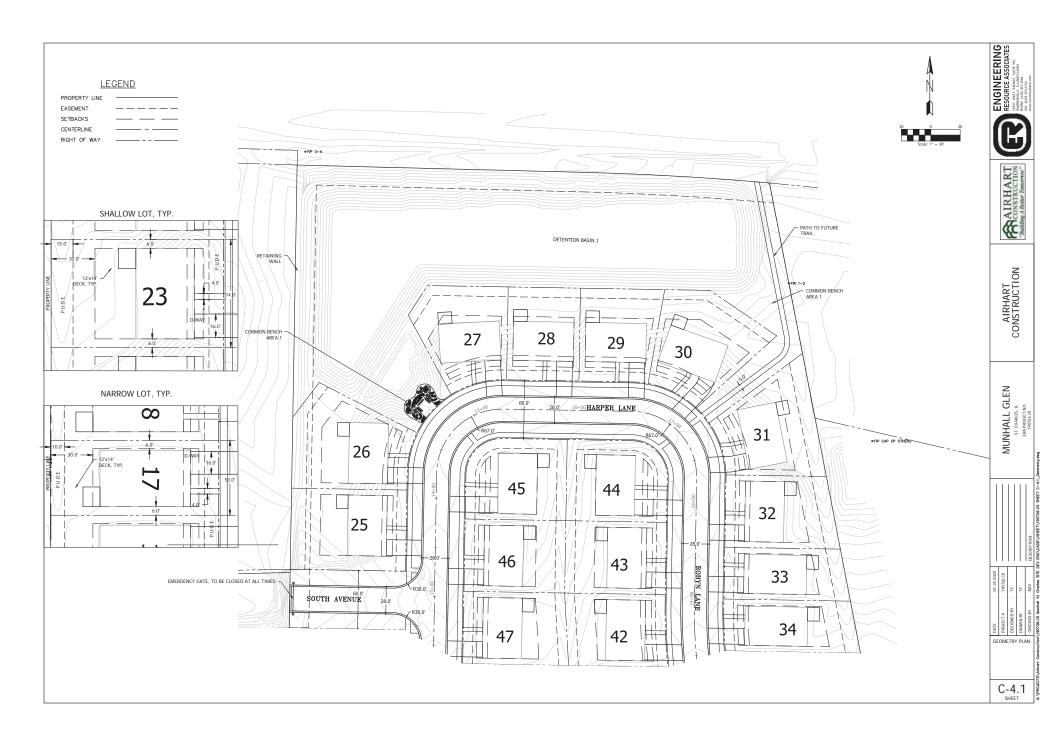
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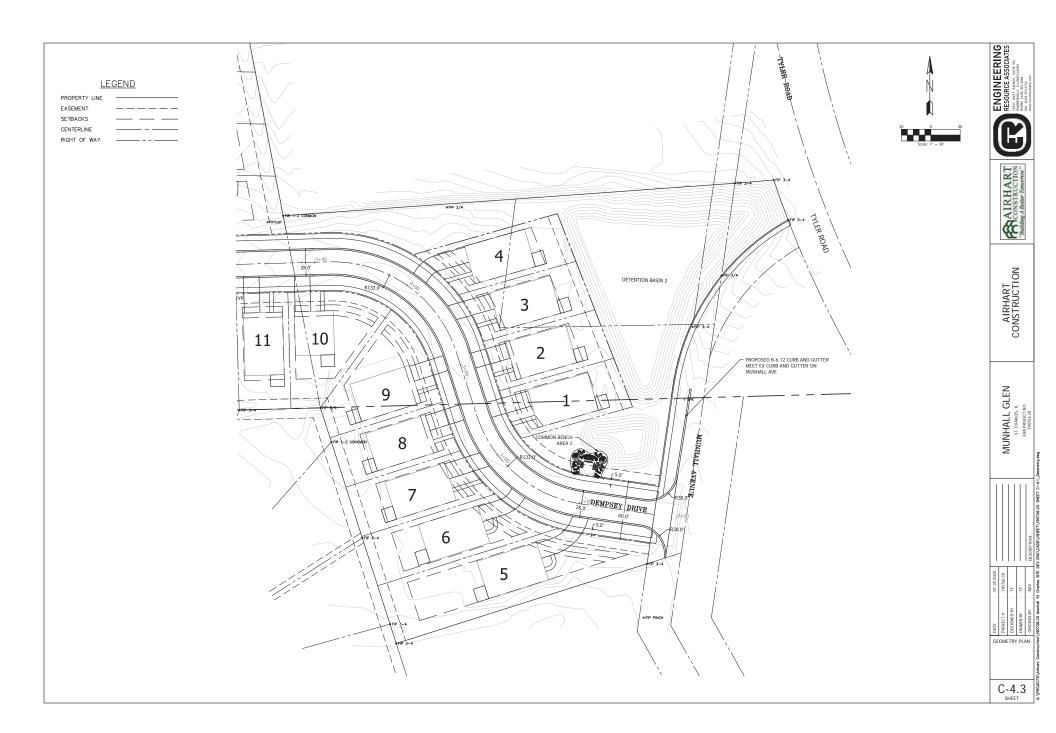


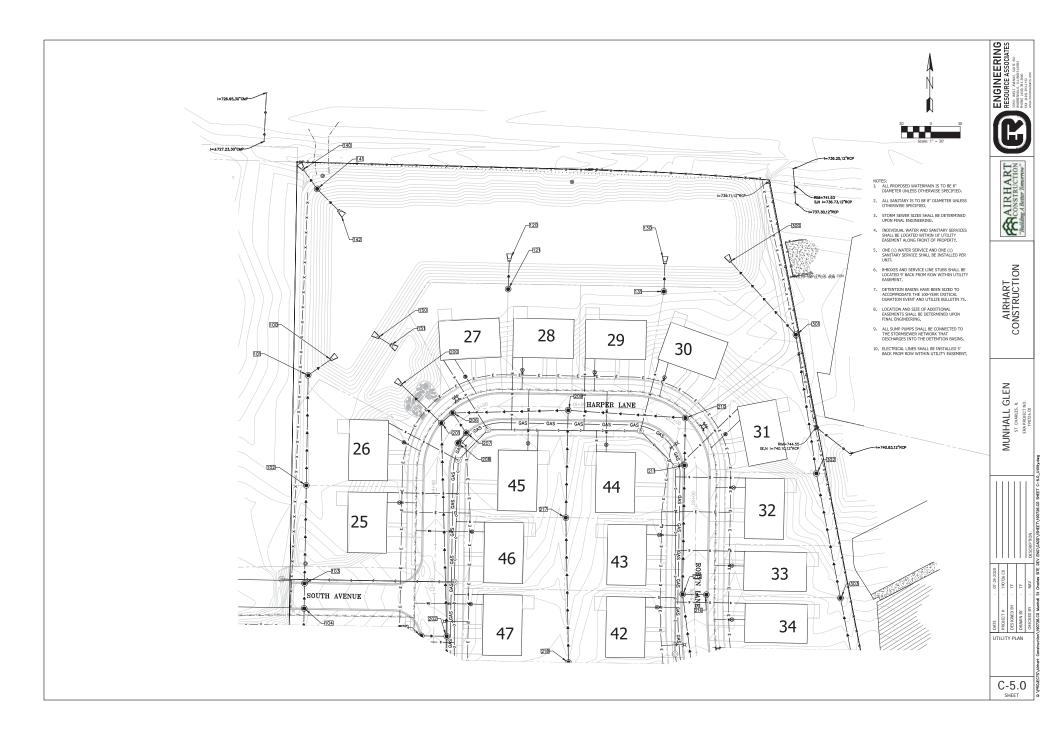


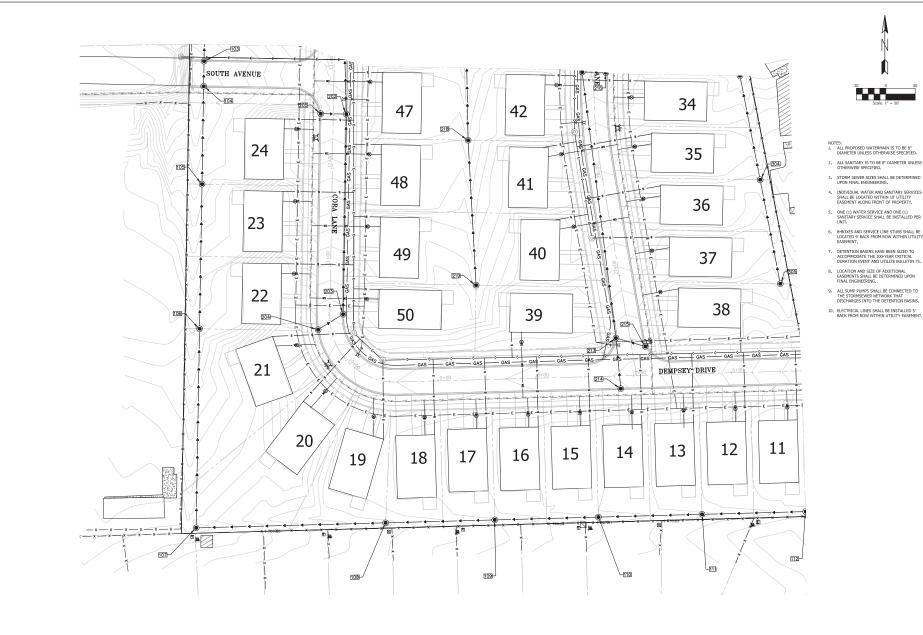












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- ALL SANITARY IS TO BE 8" DIAMETER UNLESS OTHERWISE SPECIFIED.

- ALL SUMP PUMPS SHALL BE CONNECTED TO THE STORMSEWER NETWORK THAT DISCHARGES INTO THE DETENTION BASINS.

AIRHART CONSTRUCTION "Building A Better Tomorrow"

AIRHART CONSTRUCTION

MUNHALL GLEN
ST. CHARLES, IL
ERA PROJECT NO.
190726.00

UTILITY PLAN

C-5.2 SHEET



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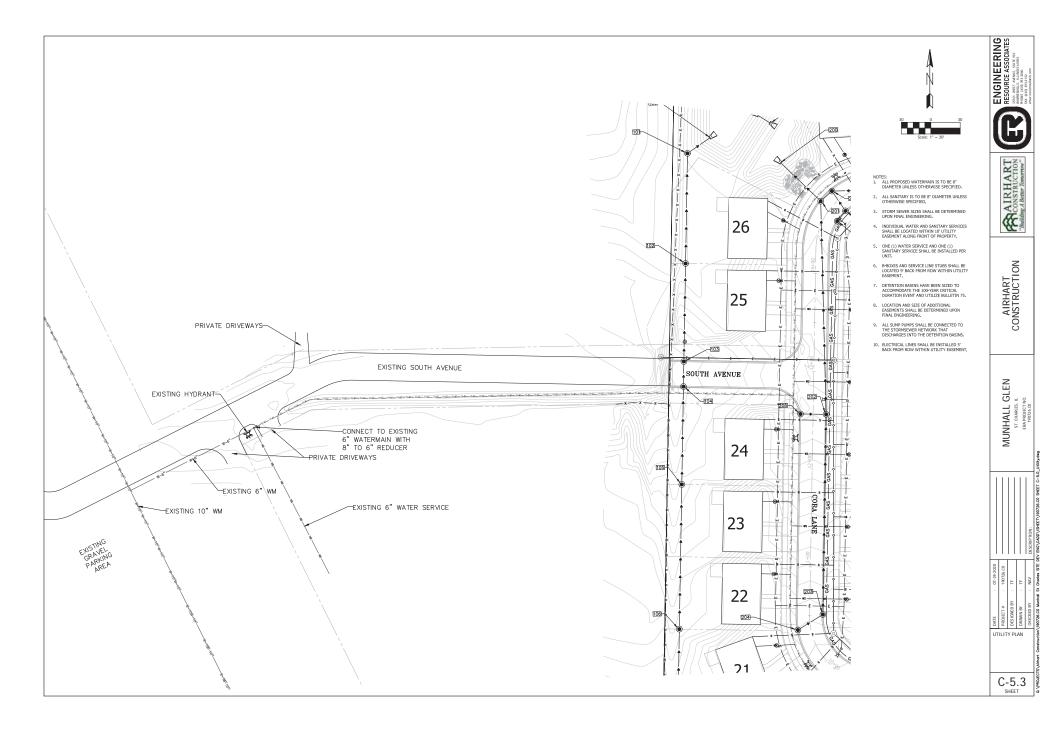
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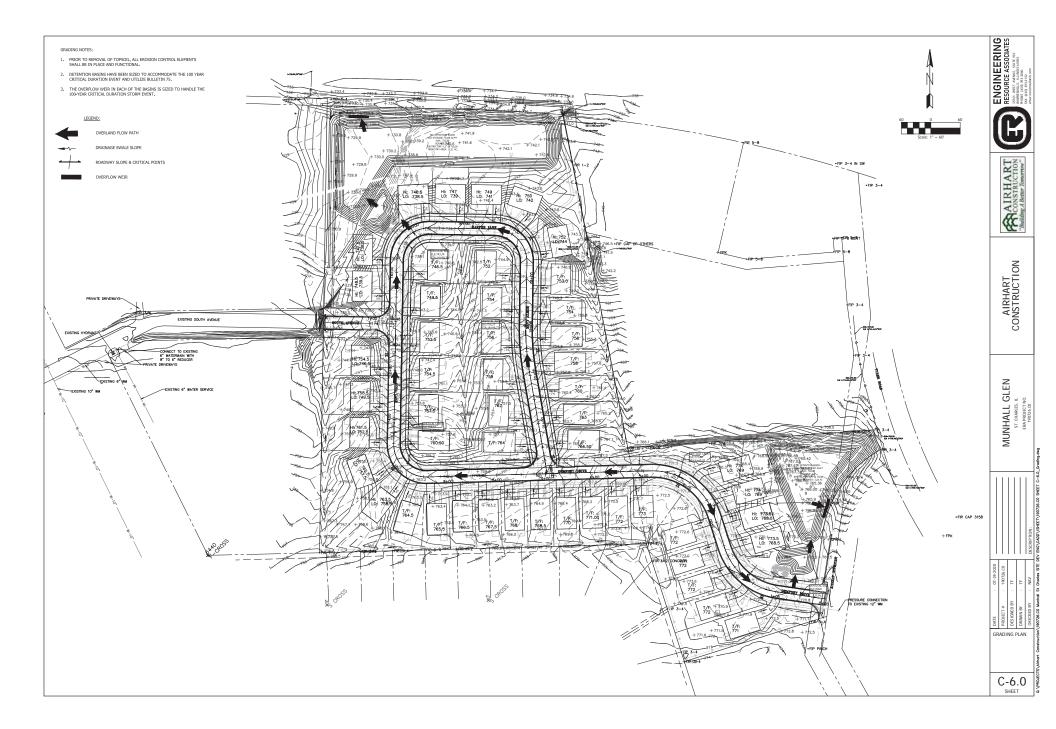
AIRHART CONSTRUCTION

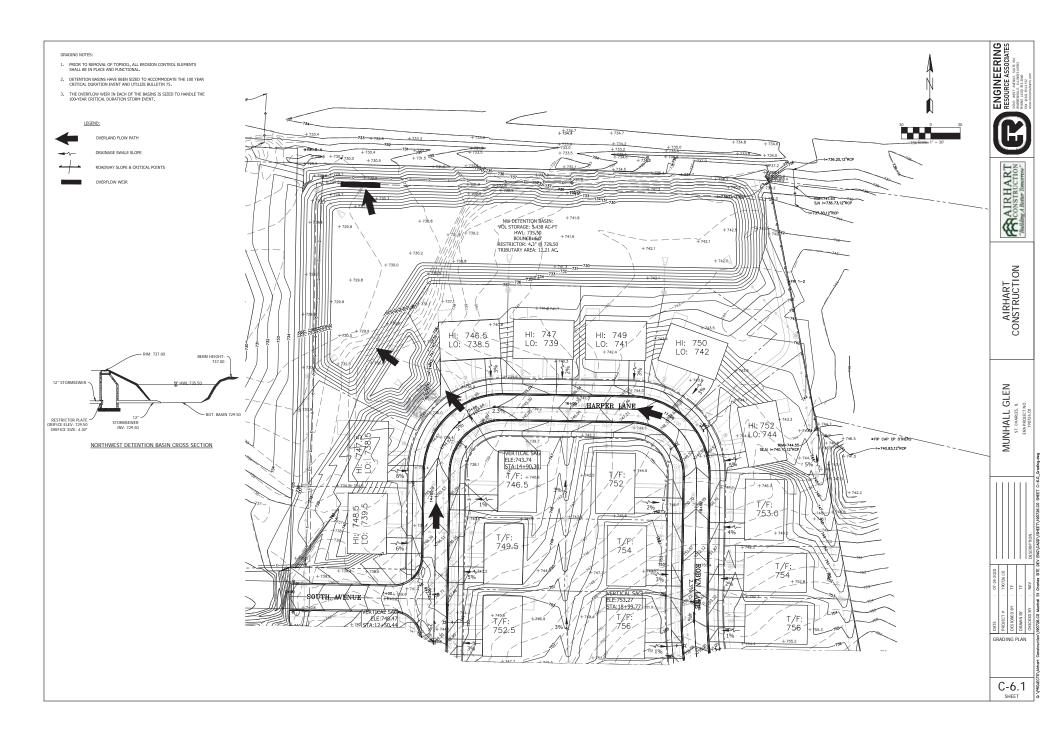
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190726.00

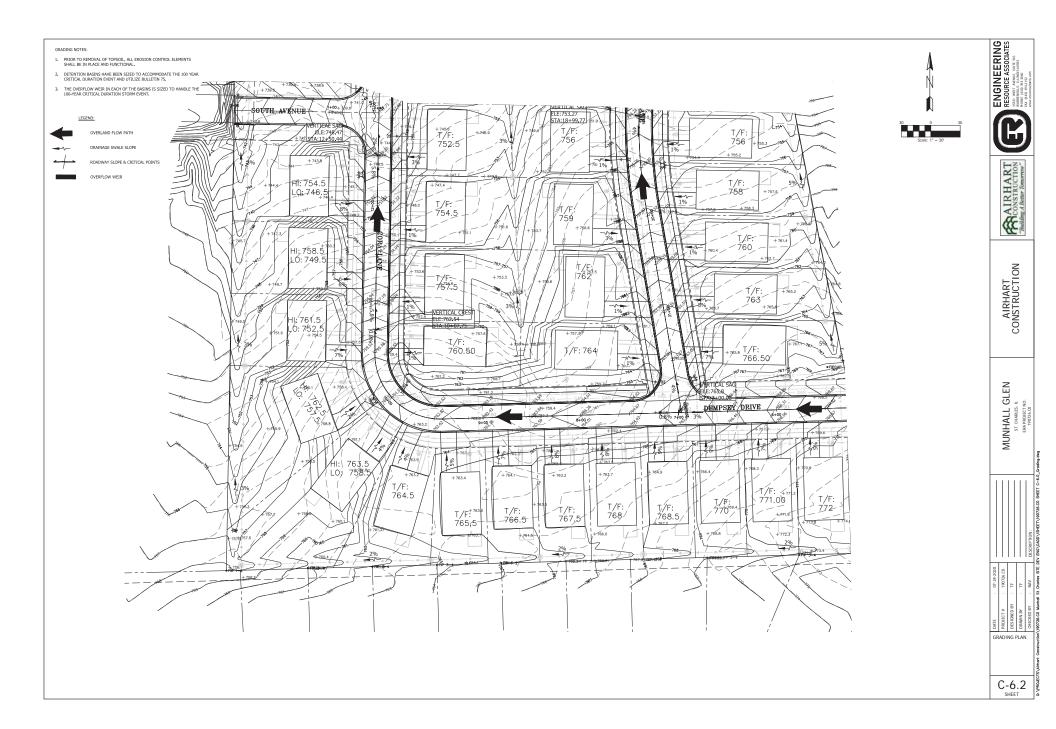
UTILITY PLAN

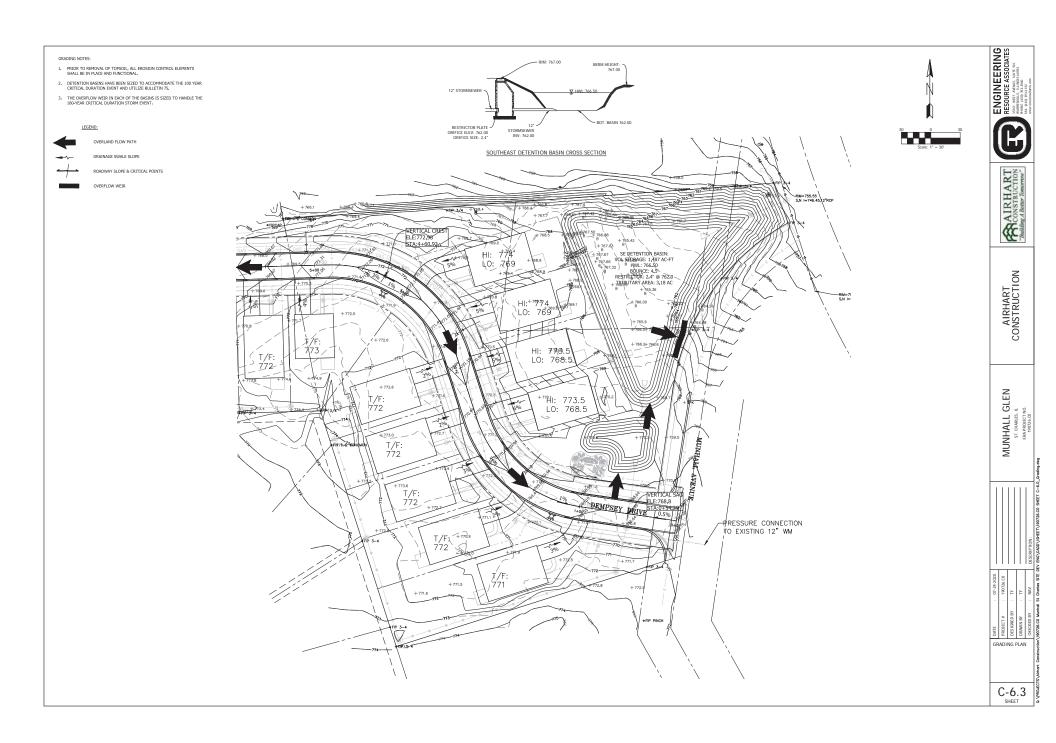
C-5.2











PROPOSED LEGEND

1 HMA PAVEMENT MIX C, N50

2 SUB-GRADE (SEE MIX TABLE)

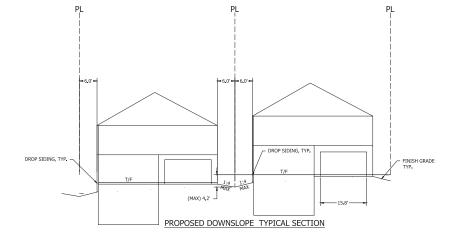
3 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

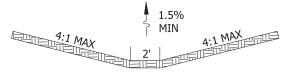
4 SEEDING, CLASS 2A, TOPSOIL 6"

5 PORTLAND CEMENT CONCRETE SIDEWALK (5') SUBBASE GRANULAR MATERIAL, TYPE B 4"

MIX TABLE:

1.5" HMA SURFACE COURSE - MIX C, N50 4.5" HMA BINDER COURSE - IL 19, N50 8" AGGREGATE BASE COURSE (CA-6)





BACKYARD SWALES

ENGINEERING
RESOURCE ASSOCIATES
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AIRHART CONSTRUCTION 'Building A Better Tomorrow'

AIRHART CONSTRUCTION

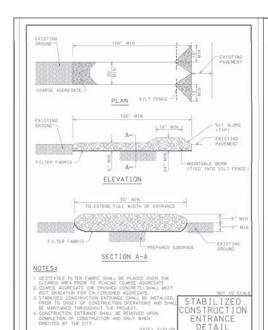
MUNHALL GLEN ST. CHARLES, IL ERAPROJECTINO.

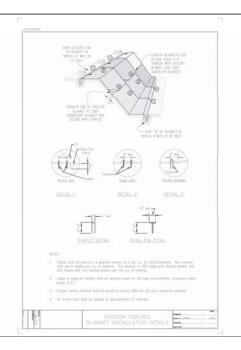
> : 1907/a co : 176 : 176 : NAV DESCRIPTION: St Owner STE DEV BOCK-COUNCET (1907/26.00 94/EST C-7.0)

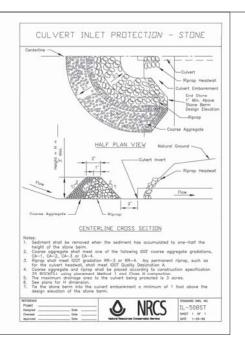
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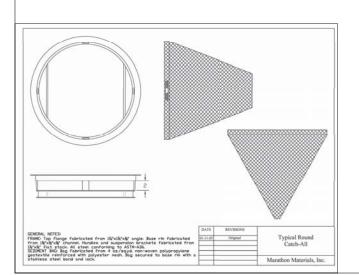
TYPICAL SECTIONS

C-7.0

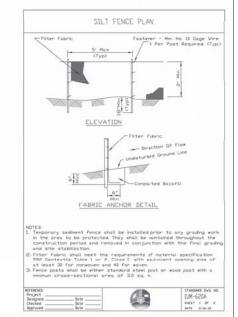


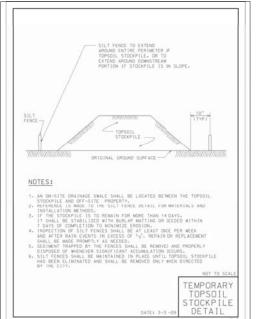






DETAIL





AIRHART CONSTRUCTION

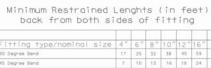
GLEN MUNHALL O

FROSION

CONTROL DETAILS

C-8.0 SHEET

C-9.0 SHEET



itting type/nominal size 4" 6" 8" 10" 12" 16" 16" 10 begree Bend 17 25 32 38 45 59 15 Degree Bend 7 10 13 16 19 24 2.5 Degree Bend 2 2 3 4 4 6 39 55 73 87 103 134 .25 Degree Bend Top Side Vertical Offset * (45 Degree) 16 23 30 36 43 55 oftom Side Vertical Offset * (45 Degree) 4 6 8 10 11 15 Tee Run X Bronch ** 6" by Tee Run X Bronch ** 8" by 1 1 24 49 1 1 15 41 65 ee Run X Bronch ** Tee Run X Branch ** 1 1 1 26 52 95 Tee Run X Bronch ** 16" by educer *** 6" by leducer *** B" by 52 30 71 54 29 90 75 55 51 123 113 97 94 54 educer *** 10" by educer *** 16" by educer www

* Vertical affact with minimum 10°cf solid ploe between upper and lower bend-** Tee with MiniMum 10° solid ploe on both sides of run. harber indicates length of branch to be restrained.

*** Length back from Large Eng of Reducer.

MURLLER B-25008-N (1",1-1/2", 2")
FORD FB1000 -4-0-N, 1"
FB 1000-6-0-N, 1"
FB 1000-6-0-N, 2"
A.Y. McDONALD T4701-80 1", 1-1/2", 2"
O SERIES BRASS, WITH 90 SWIVEL ELBOW

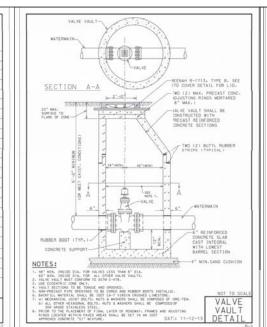
WATER MAIN RESTRAINT

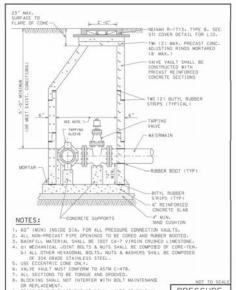
COPPER

WATER SERVICE

CONNECTION

DETAILS

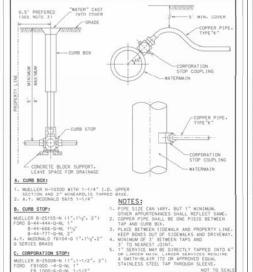




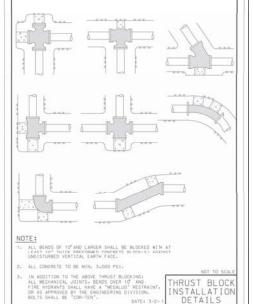
OR REPLACEMENT.

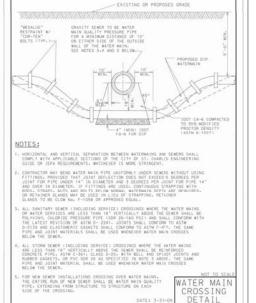
9. PRIGH TO THE PLACEMENT OF FINAL LAYER OF ROADWAY.
FRAMES AND ADJUSTING RINGS LOCATED WITHIN PAYED
AREAS SHALL BE SET IN AN IOOT APPROVED CONCRETY
"51" MIXTURE.

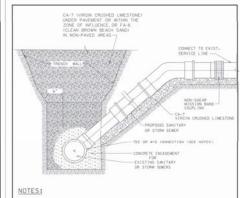
OATE 11-12 PRESSURE CONNECTION DETAIL



DATE: 11-12-1







- FOR PROPOSED STORM SEWER SERVICE $\leq 6^\circ$ ON RCP PIPE $\geq 15^\circ,$ CORE THE PIPE AND USE A BOOT CONNECTION.
- 2. FOR PROPOSED STORM SEWER SERVICE ≥ 8°, A MANHOLE SHALL BE INSTALLED.
- 3. FOR CONNECTING SANITARY OR STORM SEWER SERVICE TO AN EXISTING SANITARY OR STORM SEWER \leq 12", REMOVE A SECTION OF PIPE AND INSTALL A TEE OR WYE CONNECTION.
- 4. FOR CONNECTING SANTARY SEWER SERVICE TO AN EXISTING SANTARY SEWER 2 15", CROULAR SAW-OUT AND USE A HUB WYE OR TEE SADDLE CONNECTION.
-). FOR PROPOSED STORM OR SANITARY SEWER SERVICES, ENCASE ALL CONNECTIONS IN LOW STRENGTH CONCRETE TO PREVENT THE FITTINGS FROM ROTATING.
- 6, FOR TRENCHES WITHIN AN EXISTING PAVED SURFACE AREA, CA-7 (VARGN CRUSHED LIMESTONE) BACKFEL SHALL BE USED
- 7. FOR PROPOSED 6" STORM SEWER SUMP LINE, INSTALL PLUG AND 2" X 4" POST AT END OF LINE.

SANITARY

AND STORM

SERVICE

DETAIL

NETRIAN R-1713 IOR R-1914C
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TOOD NOUTS AD DIRECTIO
COVER DETAIL FOR LIOCOVER DETAIL FOR LIOCOVER DETAIL FOR LIOSOL DAY, PROCESS CONC.
ADJUSTING RINGS MOSTARD
BY MAN, J
BY MAN 2.0' 2 PROVIDE 3" VERTICAL LIP ON COME SECTION - 48" DIAMETER " 60" DIAMETER 3.0" MIN. FLEXIBLE MANHOLE PIPE BOOT WITH 2 STAINLESS BANDS IEACH PIPE PENETRATION I NOTES: NOTES: MANDELS MAST CONFORM TO ASTIM C-478.

MANDELS MAST CONFORM TO ASTIM C-478.

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MANDELS SECTIONS TO BE TOMORE AND ORDOWED.

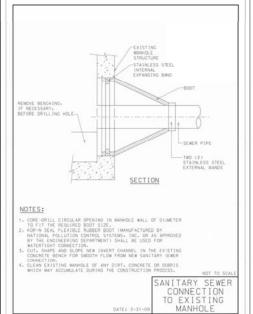
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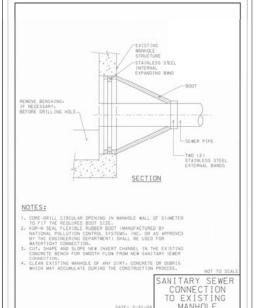
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SANITARY

MANHOLE

DETAIL









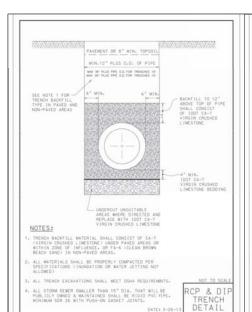


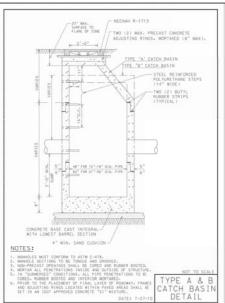
AIRHART CONSTRUCTION

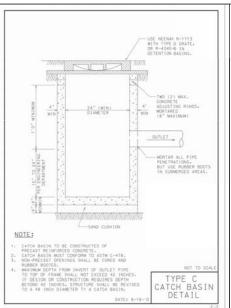
GLEN MUNHALL O

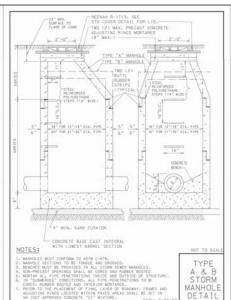
SANITARY DETAILS

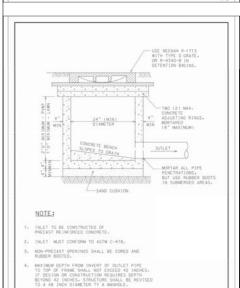
C-10.0 SHEET



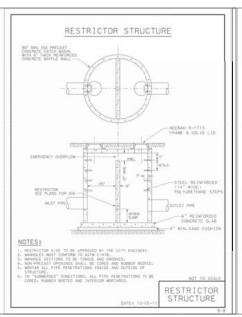




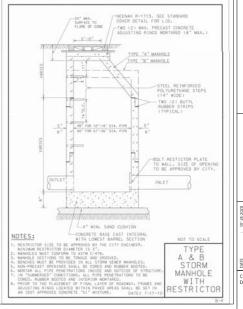




TYPE A INLET









C-11.0

ENGINEERING
RESOURCE ASSOCIATES
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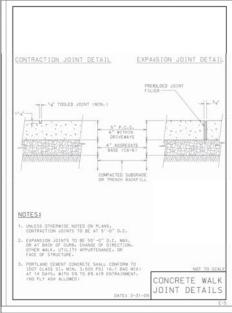
AIRHART CONSTRUCTION "Building A Better Tomorrow"

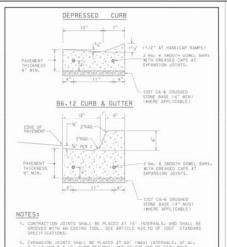
AIRHART CONSTRUCTION

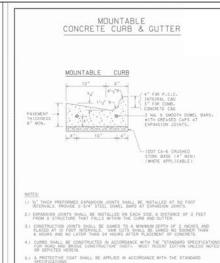
GLEN GLEN

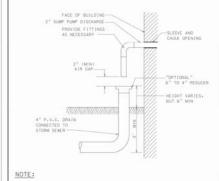
MUNHALL O

ST. C









IN NO EVENT SHALL THE SUMP PUMP DISCHARGE INTO THE SANTARY SEWER SYSTEM.

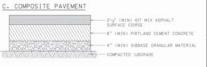
A PLUMBING PERMIT IS REQUIRED PRIOR TO ANY CONNECTION.NOLIDE A PLAT OF SURVEY WITH THE PERMIT APPLICATION, SHOWING THE POINT OF DISCHARGE AND CONNECTION TO THE STORM SEWER. THE SITE PLAM SHALL ASSO DILLIDE PRE-SPECEFACTIONS AND INVEST ELEVATIONS, CALL THE CITY ENGINEERING DIVISION 24-HOURS IN ADJANCE TO SCHEDULE AN INSPECTION.

SUMP PUMP DISCHARGE CONNECTION DETAIL

P.C.C. SHALL CONSIST OF IDDT CLASS SI (6.1 BAG MIX) CONCRETE. WITH 5% TO BY AIR ENTRAINMENT. AND A MINIMUM COMPRESSIVE STRENGTH OF 3.500 PSI AT 14 OAYS. (NO ELY ASH ALLOWED)

FOR RESIDENTIAL STREETS ONLY DATE: 10-22-B6.12 COMB. CONCRETE CURB AND GUTTER (SPECIAL) B6.12 P.C.C. INTEGRAL CURB AND GUTTER (SPECIAL)

A. FLEXIBLE PAVEMENT B'/4" IMINI HOT MIX ASPHALT OR MATCH EXISTING THICKNESS. WHICHEVER IS GREATER 4" (MIN) SUBBASE GRANGLAR MATERIAL. - COMPACTED SUBGRADE B. RIGID PAVEMENT -9" (MIN) PORTLAND CEMENT CONCRETE 4" (MIN) SUBBASE GRANULAR MATERIAL. COMPACTED SUBGRADE



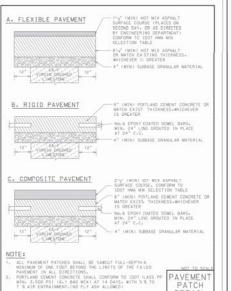
SECTIONS REPRESENT THE MINIMUM CROSS SECTION ALLOWD.

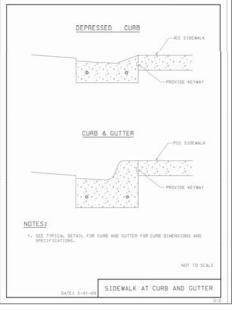
- HOT MIX ASPHALT SURFACE & BINGER COURSE SHALL COFFORM TO 100T HMA MIX
- HOT MIX ASPHALT SUPFACE & BINCER COURSE SHALL COPTORM TO LOUT HOME WAS SELECTION TAXOUR CONCRETE SHALL CONFORM TO LOUT CASS PV. MIN. 3500 PSI 16.1 BAG MIX. AT 14 DAYS. WITH 55 TO 84 AIR ENTRIPHACENT. HOW TLY ASK ALLOWED LOWER & MINIMAM ILLINOIS BEAMING RATIO LIBBLY OF 3.0.AM DE COMMETCE TO AT LEAST 90% MODIFICE MOT TO 36 PROCTOR DENSITY (ASTM 0-1557)

PAVEMENT

DETAILS

MINIMUM





MOUNTABLE

CURB & GUTTER



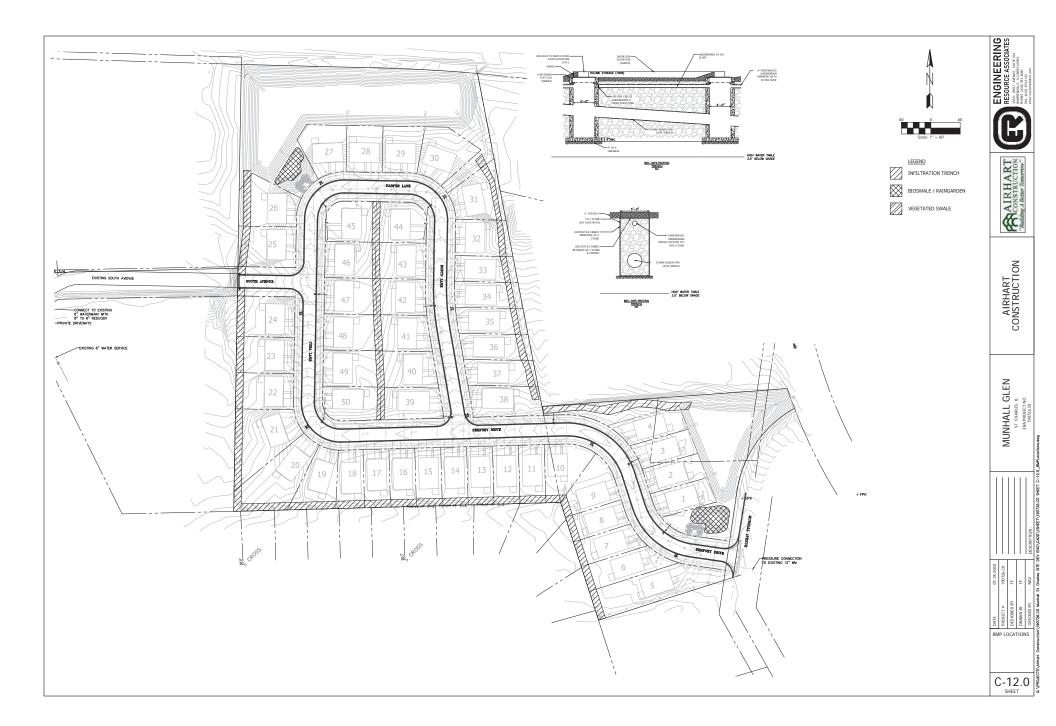
CONSTRUCTION

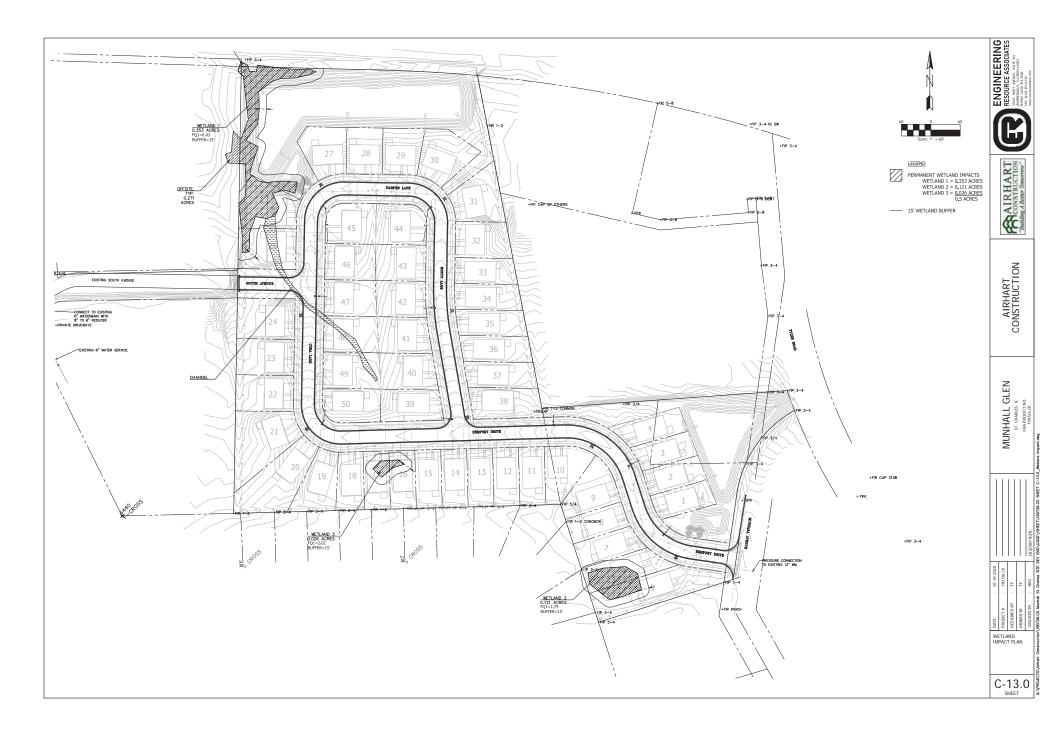
C-11.1 SHEET

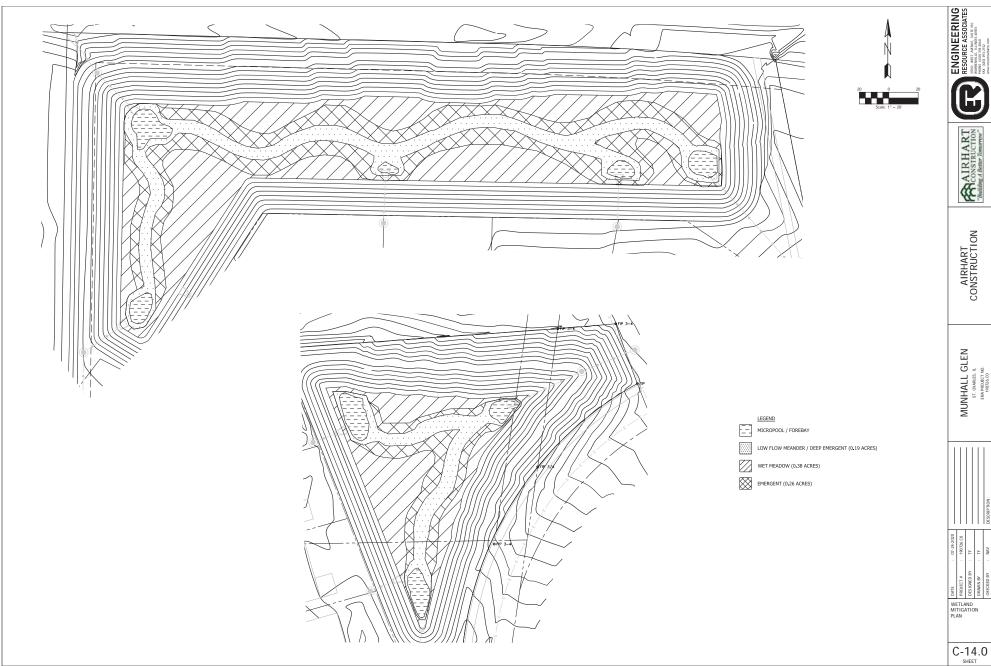
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AIRHART CONSTRUCTION "Building A Better Tomorrow"

AIRHART CONSTRUCTION

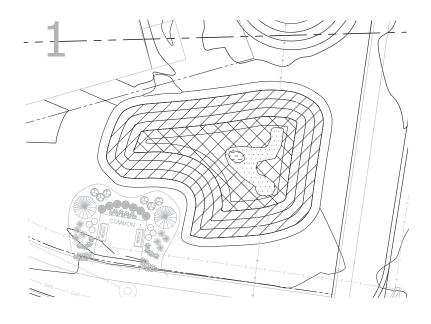












LEGEND

OPEN WATER

EMERGENT PLANT COMMUNITY (0.012 ACRES)

MESIC PRAIRIE BUFFER (0.052 ACRES)

WET PRAIRIE / SEDGE MEADOW (0.045 ACRES)

ENGINEERING
RESOURCE ASSOCIATES
STON WASSERVILL SUITE SO
PROFESSION SOUSS
PRICE (ASD) 523.222



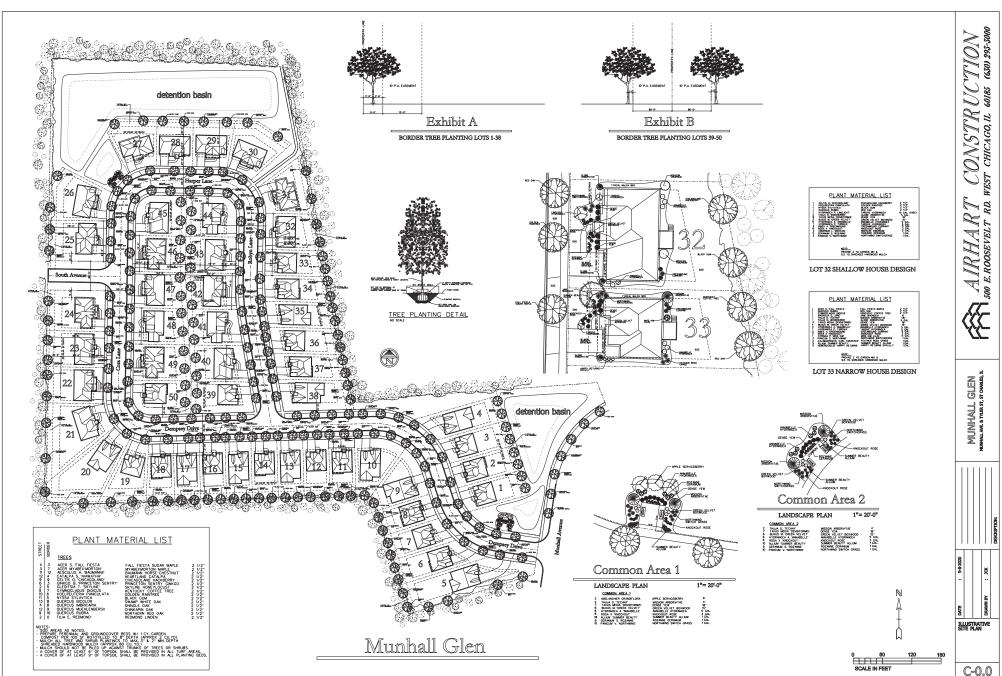


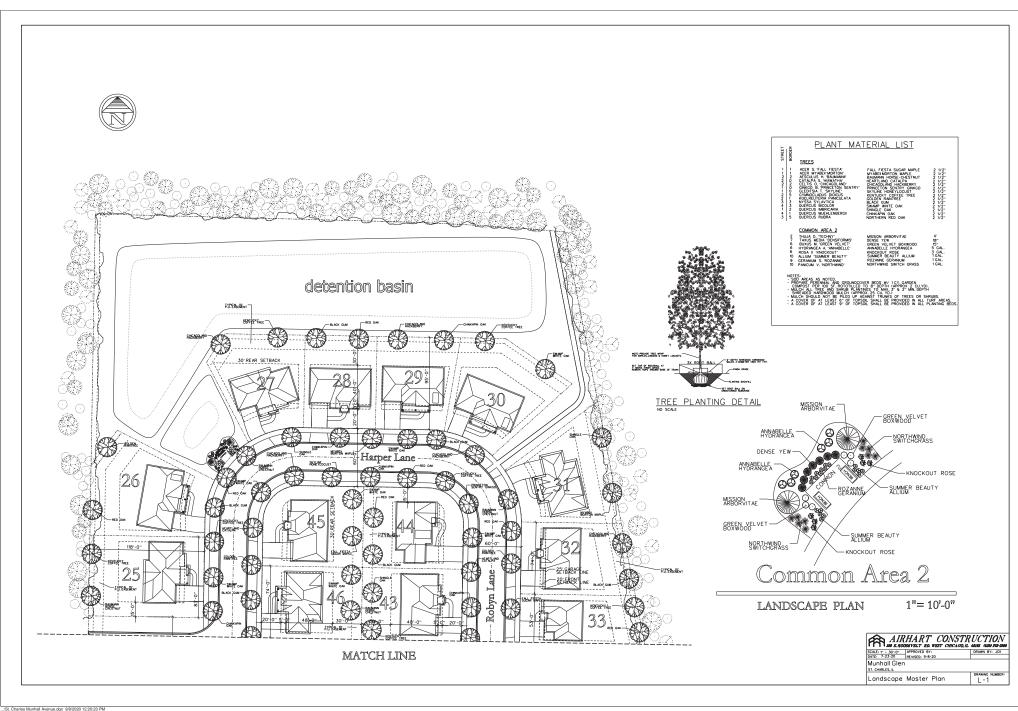
AIRHART CONSTRUCTION

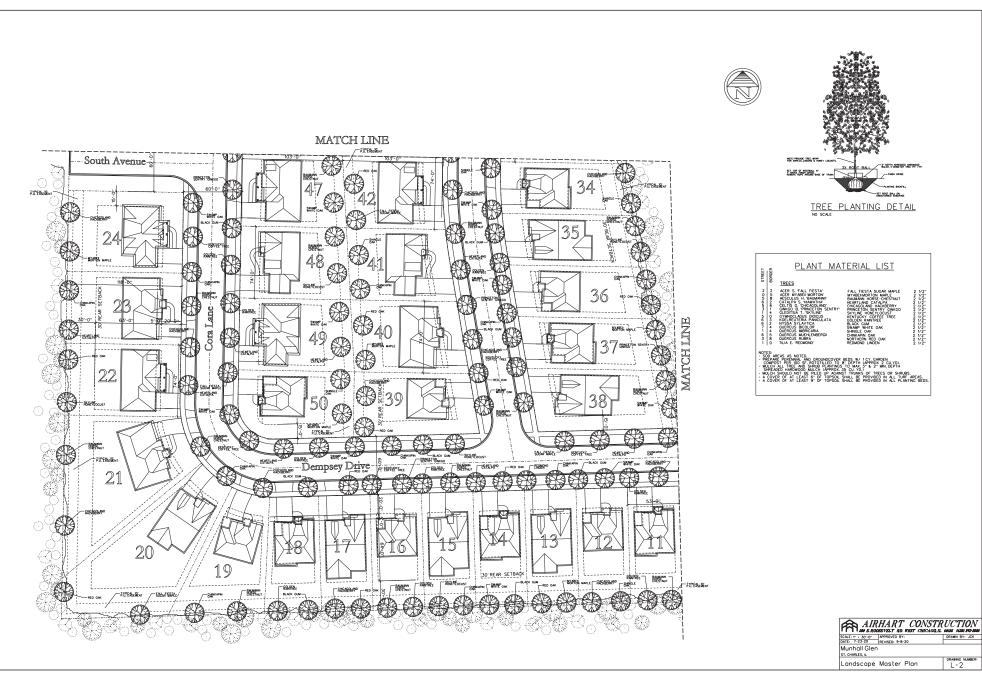
MUNHALL GLEN
ST. GHRES, IL
ERA PROJECT NO.
190726.00

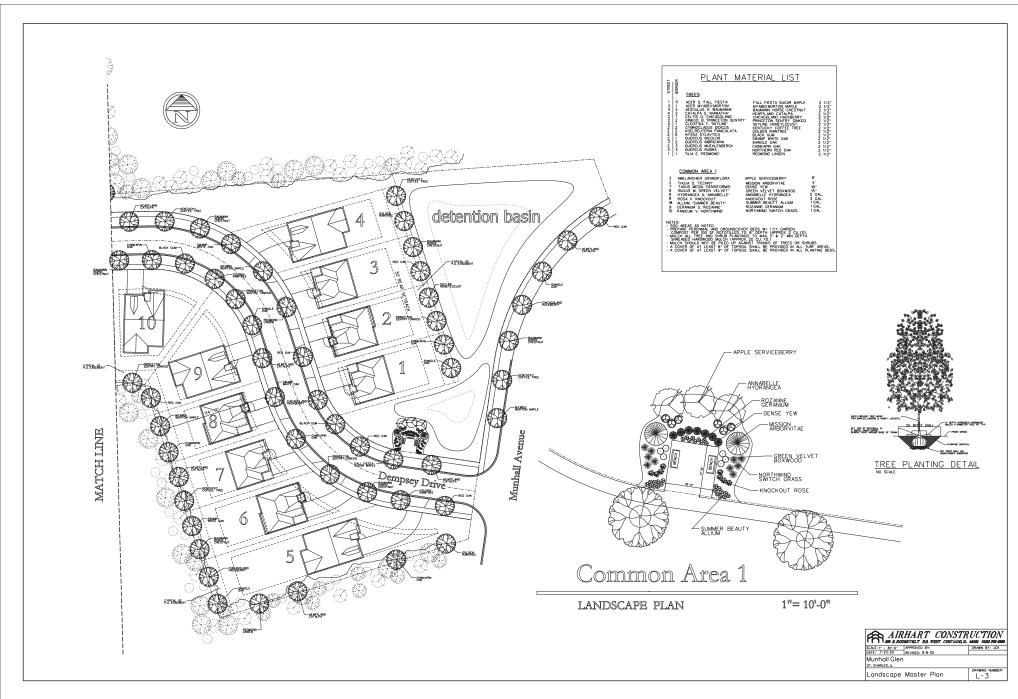
07-24-2020	190726.C0	TF	TF	NAV
DATE	PROJECT #	DESIGNED BY	DRAWN BY	CHECKED BY
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C-15.0

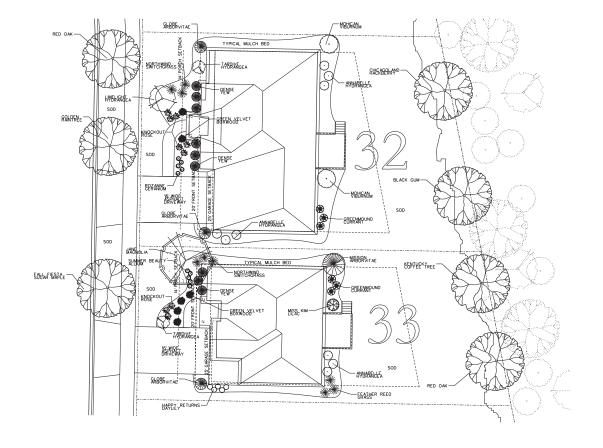












PLANT MATERIAL LIST

<u> </u>	ATENIAL LIST	
CLETS O, CHICOLAND CELETS O, CHICOLAND NYSSA SYLVATICA NYSSA SYLVATICA OURCUS RUBBANEL GHT HYDRANGEA P, UNAED THURNOGEA P, UNED TAUNG BHOOD TENSFORMS BUNUS N. CREEN VELVET HYDRANGEA P, THARDINA RIBES A. CREENOUND VIBINIUM L. MUDICAN GERANIUM S. NORTHWIND	CHICAGOLAND MACKBERRY OR LOCK OWN THE DOWN THE MED OWN	2 1/2" 2 1/2" 2 1/2" 2 1/2" 15 GAL. (TREE: 18" 15" 5 GAL. 5 GAL. 5 GAL. 1 GAL. 1 GAL.
NOTE:		

PROVIDE 2 YD. GARDEN MIX & 9.5 YD. SHREADED HARDWOOD MULCH

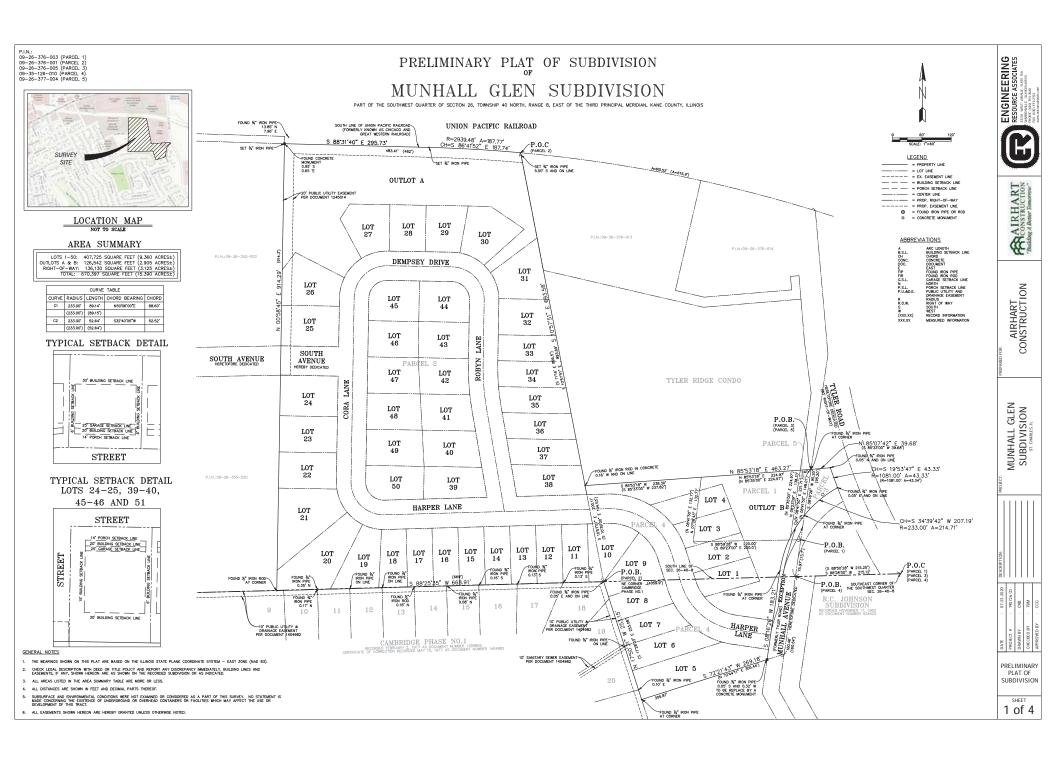
LOT 32 SHALLOW HOUSE DESIGN

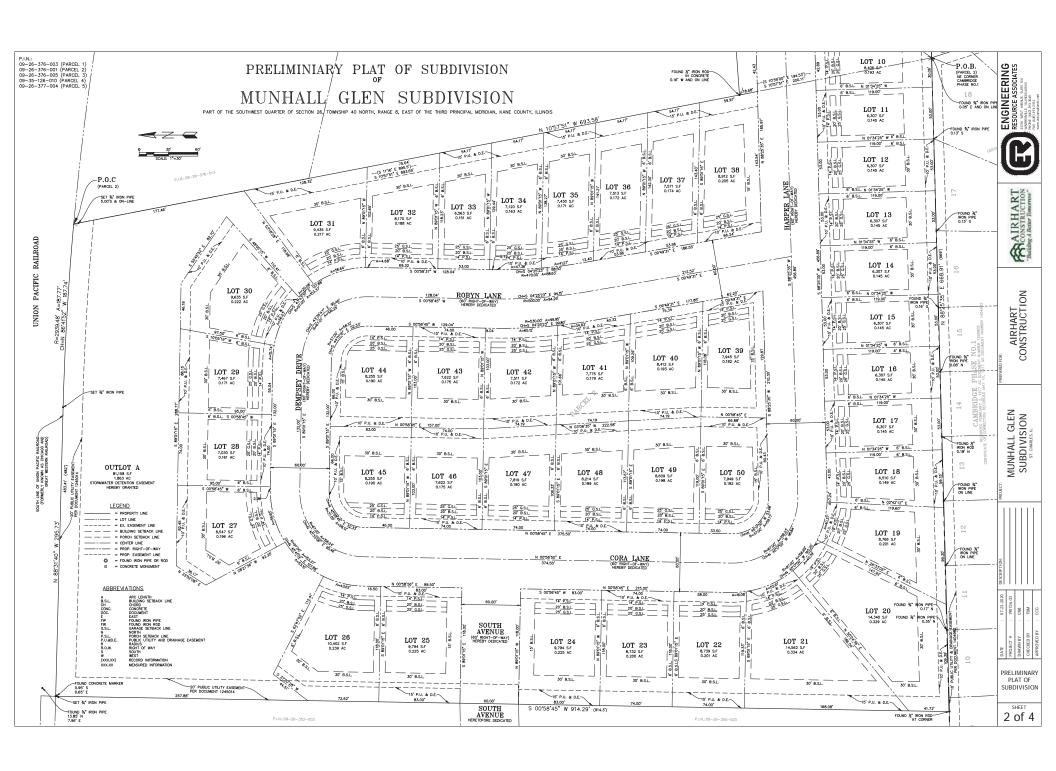
PLANT MATERIAL LIST

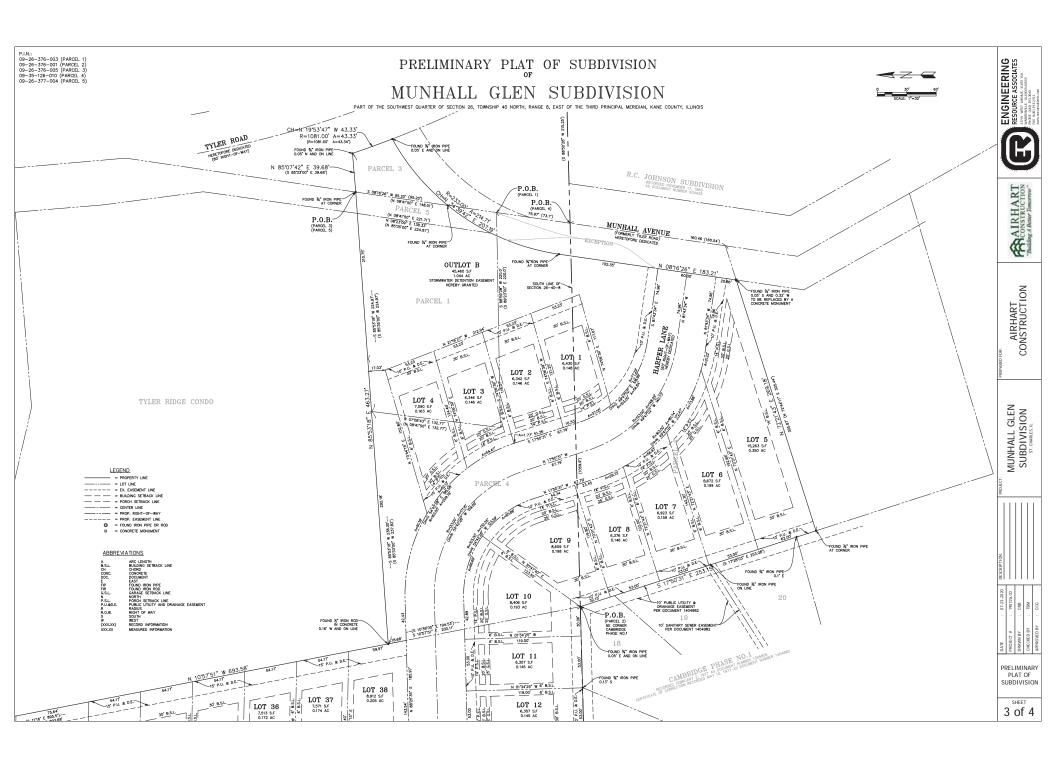
ACER STALL FESTA OCHOCL RUSS AND COLUS MACNOLIA S, JANE: THULA O. TECHNY THULA O. TECHN	FALL FIESTA MAPLE REPLOW FOR THE PROPERTY OF THE FREE MASSON ARBORVITAE GLOSE REPORTITAE GLOSE REPORTITAE GLOSE REPORTITAE GLOSE REPORTITAE GREEN VELLY BOWGOD ANNAELLE HYDRANGE GREEN VELLY BOWGOD ANNAELLE HYDRANGE GREEN GLOSE GREEN GREEN GLOSE GREEN G	2 1/2" 2 1/2" 2 1/2" 68" 68" 5 GAL. 15" 5 GAL. 1 GAL. 1 GAL. 1 GAL.
NOTE:		

PROVIDE 2 YD. GARDEN MIX & 9.5 YD. SHREADED HARDWOOD MULCH

LOT 33 NARROW HOUSE DESIGN







OWNER'S CERTIFICATE

STATE OF ILLINOIS SS

NOTARY'S CERTIFICATE STATE OF ILLINOIS)

AT _____ ILUNOIS.

STATE OF ILLINOIS)

DIRECTOR OF COMMUNITY DEVELOPMENT

COUNTY CLERK'S CERTIFICATE STATE OF ILLINOIS SS

DIRECTOR OF COMMUNITY DEVELOPMENT CERTIFICATE

DATED AT ______ A.D. 20____

DATED THIS DAY OF A D 20

_____, A NOTARY PUBLIC, IN AND FOR SAID COUNTY,

I, HERE ARE NO DELINQUENT GENERAL TAXES, NO LINARD FORFEITS TAXES AND NO REDEMBLE TAX SALES AGAINST ABY OF THE LAND INCLUDED IN THE ANNEXED PLAT. I PURITHER CERTIFY THAT THAY ENCOURDED HE TAX SALES AGAINST AFTER THE LAND INCLUDED HERE TAX SALES AGAINST AFTER THE LAND INCLUDED HERE TAX SALES AGAINST AND THE ANNEXED PLAT.

GIVEN UNDER MY HAND AND SEAL AT ______, ILLINOIS, THIS _____ DAY OF _____, A.D. 20___.

COUNTY OF KANE

SHEET 4 of 4

PRELIMINARY PLAT OF SUBDIVISION

MUNHALL GLEN SUBDIVISION

PART OF THE SOUTHWEST QUARTER OF SECTION 26, TOWNSHIP 40 NORTH, RANGE 8, EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

PLAN COMMISSION CERTIFICATE

STATE OF ILLINOIS SS

CERTIFICATE AS TO SPECIAL ASSESSMENTS

STATE OF ILLINOIS SS

COLLECTOR OF SPECIAL ASSESSMENTS

COUNTY ENGINEER'S CERTIFICATE

STATE OF ILLINOIS SS

THIS PLAT HAS BEEN APPROVED BY THE KANE COUNTY ENGINEER WITH RESPECT TO

ROADWAY ACCESS TO______ PURSUANT TO ILCS CHAPTER 765 PARAGRAPH 205/2.

DATED THIS....... DAY OF A.D. 20.....

MORTGAGEE'S CERTIFICATE

STATE OF ILLINOIS SS

ACCEPTED AND APPROVED BY______, AS MORTGAGEE.

DATED AT______ , ILLINOIS, THIS_____ DAY OF , A.D., 20____

ATTEST:

CITY COUNCIL CERTIFICATE

APPROVED AND ACCEPTED THIS _____ DAY OF _____, A.D. 20____.
CITY COUNCIL OF CITY OF ST. CHARLES, ILLINOIS

EVIRGIC LITHILTY AND DRAMAGE EASTAINT PROVISIONS
A PERMANDER WITH PROVINCE (EARLING) IS RECEIVED TO THE OTY OF ST. OWNERS
AND TO ALL PROJECT UNITY COMPANIES OF ANY TOND OPERATION CHIEFE PRACTICE CHANTING
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DECLARATION OF COVENANTS CONDITIONS RESTRICTIONS AND EASEMENTS ALL OF THE PROPERTY INCLUDED IN THIS SUBDIVISION SHALL BE HELD, TRANSFERRED AND CONCEYED SUBJECT TO THAT CERTAIN DECLARATION OF COVENANTS, CONDITIONS, EASEMENTS AND

SPECIAL FLOOD HAZARD AREA CERTIFICATE

STATE OF ILLINOIS
COUNTY OF DUPAGE

FOR REVIEW ONLY

ILLINOIS PROFESSIONAL LAND SURVEYOR NUMBER 035-004022 LICENSE EXPIRES: NOVEMBER 30, 2020



PLEASE RETURN THE RECORDED MYLAR TO: CITY OF ST. CHARLES 2 E. MAIN STREET ST. CHARLES, ILLINOIS 60174

PLEASE MAIL A COPY OF THE RECORDED PLAT TO: ENGINEERING RESOURCE ASSOCIATES 35701 WEST AVENUE, SUITE 150 WARRENVILLE, ILLINOIS 60555

SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS SS COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, COLUN C. GRAVES, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-004022, HAVE SURVEYED AND SUBDIVIDED THE FOLLOWING DESCRIBED PROPERTY:

PARCEL 25.

MAINT OF THE SOUTHWEST QUARTER OF SECTION 28, TOWARDER 40 NORTH, RANGE 8 EAST OF THE MAINT OF THE CHEMOLOGY AND CHEAT WESTERN RALADIO COURSEN'S AT A FORTH 619. FEET MESTER'S FROM THE CHEMICAL OF A HORST HAS DEED MINISTER SHOWN AS THE CHEMICAL OF A HORST HAS DEED MINISTER SHOWN AS THE PARCEL OF THE SOUTH HAD CHEMICAL OF THE SOUTH HAD CHEMICAL

PARCE, 5

THAT PART OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 40 NORTH, RANGE 8, EAST OF THE BRIEF PRINCIPAL WERRICHARS, CONSIDER AS FOLLOWS COMMUNICAL AT THE SOUTHWEST CONSIDER OF SUD-CHARLES AS FOLLOWS AND FOLLOWS AS FOLLOWS AND FOLLOWS THE SECTION OF THE TOT OF CORONAL CONTRE LOCAL CONTRE LOCA

I HEREBY GRANT PERMISSION TO THE CITY OF ST. CHARLES CLERK OR AN EMPLOYEE OF THE CITY CLERK'S OFFICE TO RECORD THIS PLAT. THE REPRESENTATIVE SHALL PROVIDE THE SURVEYOR WITH A RECORDED COPY OF THIS PLAT.

GIVEN UNDER MY HAND AND SEAL AT _____ THIS ______ DAY OF ______, A.D. 20____

FOR REVIEW ONLY

DESIGN FIRM PROFESSIONAL LICENSE NO. 184.001186 LICENSE EXPIRES: APRIL 30, 2021



Prepared For: Airhart Construction 500 E Roosevelt Rd. West Chicago, IL 60185

Munhall Glen Subdivision - Tree Inventory and Preservation Plan

The existing project site is approximately 15.39 acres and contains a mixture of residential, agricultural, wetland and woodland areas. This report will break down the dense woodland areas by zones and will provide general information of each zone. Per discussion with staff and due to dense invasive undergrowth, specific information was provided for trees greater than 6" Diameter at Breast Height (DBH) (species, size and condition) in the residential zone. The rest of the zones have a dense brush layer, typical to invasive tree species making access challenging. If a more detailed analysis will be required, a significant amount of brush will need to be removed to inventory these areas.

The tree preservation zones are as follows:

- Residential Zone Individual Trees identified
- South Zone Abutting Residential General Community Composition
- West Zone Abutting Yard General Community Composition
- East Zone Abutting Commercial General Community Composition
- Wetland / Drainage Swale General Community Composition

Below is a table with a list of the tree species found on-site. Included in this table is each species each species' Coefficient of Conservatism (C Value) and native/invasive status. C Values range from 0 - 10 and represent an estimated probability that a plant is likely to occur in a landscape relatively unaltered from what is believed to be pre-European settlement condition. For example, a C of 0, is given to plants such as *Acer negundo*, Box Elder, that have demonstrated little fidelity to any remnant natural community (i.e. may be found almost anywhere). Similarly, a C of 10 is applied to plants that are almost always restricted to a presettlement remnant (i.e. a high-quality natural area). Invasive (non-native) species are assigned a C-value of 0 and are considered invasive.

SPECIES NAME (NWPL/ MOHLENBROCK)	COMMON NAME	C VALUE	NATIVITY
Acer negundo	Box Elder	0	Native
Acer saccharinum	Silver Maple	1	Native
Juglans nigra	Black Walnut	3	Native
Morus alba	White Mulberry	0	Invasive
Populus deltoides	Eastern Cottonwood	0	Native
Prunus serotina	Black Cherry	0	Native
Quercus alba	Northern White Oak	5	Native

Rhamnus cathartica	European Buckthorn	0	Invasive
Robinia pseudoacacia	Black Locust	0	Invasive
Ulmus pumila	Siberian Elm	0	Invasive

This floristic information was obtained from Herman, B., Sliwinski, R. and S. Whitaker. 2017. Chicago Region FQA (Floristic Quality Assessment) Calculator. U.S. Army Corps of Engineers, Chicago, IL. This version of the calculator has floristic information pertaining to the Chicago Region as originally delineated by the authors of the Floristic Quality Assessment - Swink, F. and Wilhelm, G. 1994. Plants of the Chicago Region, 4th Ed. The Indiana Academy of Science, Morton Arboretum, Lisle, IL. Updated Coefficients of Conservatism (C-value) are based on Flora of the Chicago Region: A Floristic and Ecological Synthesis. Gerould Wilhelm & Laura Rericha. 2017. Indiana Academy of Science. Indianapolis, IN.

Residential Zone

The residential zone is the only zone that an individual tree identification was able to occur. The following table represents the Trees Inventoried and their associated Rating. The rating is based on tree health and structural integrity.

Tree #	DBH	Common Name	Species	Rating	Recommendation
1	15"	Maple	Acer	Good	Protective Fence if possible
2	42"	Oak	Quercus	Good	Protective Fence if possible
3	10"	Maple	Acer	Good	Protective Fence if possible
4	14"	Maple	Acer	Poor	Remove
5	38"	Oak	Quercus	Good	Protective Fence if possible
6	12"	Oak	Quercus	Good	Protective Fence if possible
7	14",14"	Elm	Ulmus	Good	Protective Fence if possible
8	36"	Oak	Quercus	Fair	Protective Fence if possible
9	44"	Oak	Quercus	Good	Protective Fence if possible
10	38"	Oak	Quercus	Good	Protective Fence if possible

South Zone Abutting Residential

The area inventoried along the south edge property line abuts the Cambridge Phase No.1 residential subdivision to the south and is approximately 1.70 acres of woodland. The trees in this area consisted of Buckthorn, Black Locust, mulberry, Cottonwood, Silver Maples, and Boxelder. The majority of the trees in this area are invasive and non-desirable but are in fair to good condition and provide screening from the residential subdivision to the agricultural area. There are several good size Silver Maples in this area that could be considered desirable, though the effects from grade change, due to storm water management requirements and construction would likely cause them to not survive.

Rough Percentages of trees found in this area:
Acer negundo (Boxelder): <5%
Acer saccharinum (Silver Maple): 40%
Morus alba (Mulberry): <5%
Populus deltoides (Cottonwood): <5%
Rhamnus cathardica (Buckthorn): 40%
Robinia pseudoacacia (Black Locust): <5%

West Zone Abutting Yard

The area inventoried along the west edge property line abuts an industrial material yard and is approximately 0.6 acres of woodland. The trees in this area consisted of Buckthorn, Siberian Elm, Cottonwood, Silver Maples, Boxelder, Cherry, and Walnut. The majority of the trees in this area are invasive and non-desirable but are in fair to good condition and provide screening from the industrial yard to the west. There are several Walnut, Silver Maples, Cottonwoods & Siberian Elms in fair condition in this area that could be considered desirable, though the effects from grade change, due storm water management requirements and construction would likely cause them to not survive.

Rough Percentages of trees found in this area:

Acer negundo (Boxelder): <5%

Acer saccharinum (Silver Maple):10%

Juglans nigra (Walnut): 15%

Populus deltoides (Cottonwood): 10%

Prunus serotina (Cherry): <5%

Rhamnus cathardica (Buckthorn): 45% Ulmus pumila (Siberian Elm): 10%

East Zone Abutting Commercial

The area inventoried along the east edge property line abuts the Tyler Ridge Condo Subdivision and is approximately 1.1 acres of woodland. The trees in this area consisted of Buckthorn, Siberian Elm, Silver Maples, Boxelder, Cherry, and Mulberry. The majority of the trees in this area are invasive and non-desirable but are in fair to good condition and provide screening from the commercial condos to the east to the agricultural area. There are several

Cottonwoods & Siberian Elms in fair condition in this area that could be considered desirable, though the effects from grade change, storm water management requirements, and construction would likely cause them to not survive.

Rough Percentages of trees found in this area: Acer negundo (Boxelder):15%
Acer saccharinum (Silver Maple): 5%
Morus alba (Mulberry): 5%
Prunus serotina (Cherry):5%
Rhamnus cathardica (Buckthorn): 65%
Ulmus pumila (Siberian Elm):5%

Wetland / Drainage Swale

The area inventoried along north property line and the area that runs along the drainage swale through the center of the property is approximately 4.3 acres of woodland. The trees in this area consisted of Buckthorn, Siberian Elm, Cottonwood, Silver Maples, Boxelder and Mulberry. The majority of the trees in this area are invasive and non-desirable but are in fair to good condition and provide screening to the neighboring industrial to the west and the old rail lines to the north. There are a few large oaks in the NW corner and several Cottonwoods & Siberian Elms in fair condition in this area that could be considered desirable, though the effects from grade change, due storm water management requirements and construction would like cause them to not survive.

Rough Percentages of trees found in this area: Acer negundo (Boxelder): 20% Acer saccharinum (Silver Maple): 5% Morus alba (Mulberry): 5% Populus deltoides (Cottonwood): 5% Rhamnus cathardica (Buckthorn): 60% Ulmus pumila (Siberian Elm):5%

Recommendations

The majority of the wooded areas on-site consist of invasive trees with intermittent desirable species. The proposed construction will be impacting 100% of the site and due to significant elevation change and storm water management requirements, all trees on site will be affected. In lieu of preservation of existing low quality and invasive trees, a significant landscape plan incorporating 92 high quality front yard parkway trees and 98 high quality backyard trees to be used as screening, and will be more beneficial to the long term health of trees on the site as well as neighboring properties.

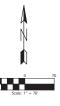
If it is possible to keep trees, the following protocols should be used:

- Install tree protection fence per erosion control plan prior to any construction;
- Fence the public portion (parkways) of the entire tree protection zones with a 6' chain-link fence to prevent wounds to the parkway trees as well as soil compaction prior to any construction activity. Post the fence with a sign stating "Tree Protection Zone Keep Out";
- At no time shall any equipment, materials, supplies or soil fill be allowed in the tree protection zone;
- The entire tree protection zone should be mulched to improve the growing conditions for tree roots, and minimize the maintenance of the parkway lawn; and
- Tree protection zone is the designated area the encompasses the entire tree canopy.

This tree preservation plan incorporates all reasonable steps necessary to minimize damage to trees on property and adjacent to the property.

The Tree Preservation Plan was performed by Certified Arborist Jay Peters
7 11 2020

Jay C. Peters; Certified Arborist # IL-1201





ENGINEERING
RESOURCE ASSOCIATES
STORM MAN ARMA SUITE SON
WOOSEMELLE SUITE
WOOSEMELLE SUITE
WOOSEMELLE SUITE
WOOSEMELLE SUITE
WOOSEMELLE
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AIRHART CONSTRUCTION

MUNHALL GLEN ST. CHARLES, IL ERAPROJECT NO.

TREE PRESERVATION ZONES

EX SHEET

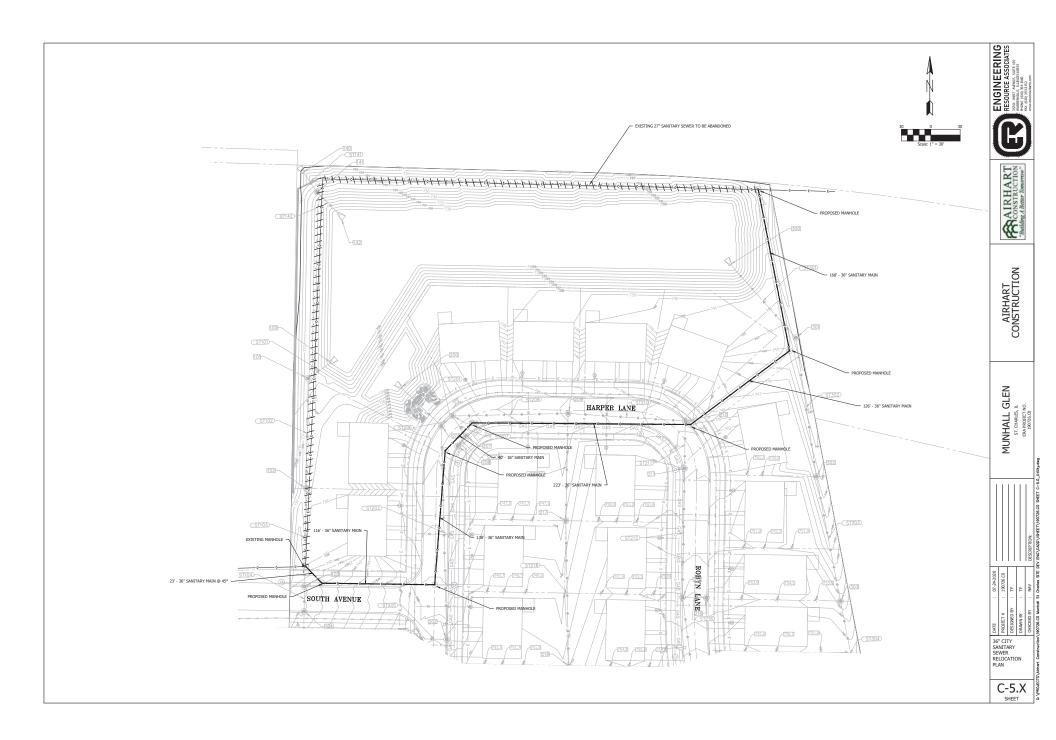


EXHIBIT "E"

PUD DEVIATIONS

Table 17.12-2 Residential District Bulk Requirements – RS-4 District			
Minimum Lot Area	6,307 sq. ft. minimum and as shown on the Preliminary Plat of Subdivision		
Minimum Lot Width	48 ft. and as shown on the Preliminary Plat of Subdivision		
Maximum Building Coverage	37.5%		
Minimum Interior Side Yard	Combined width of 12 ft., neither side less than 6 ft.		