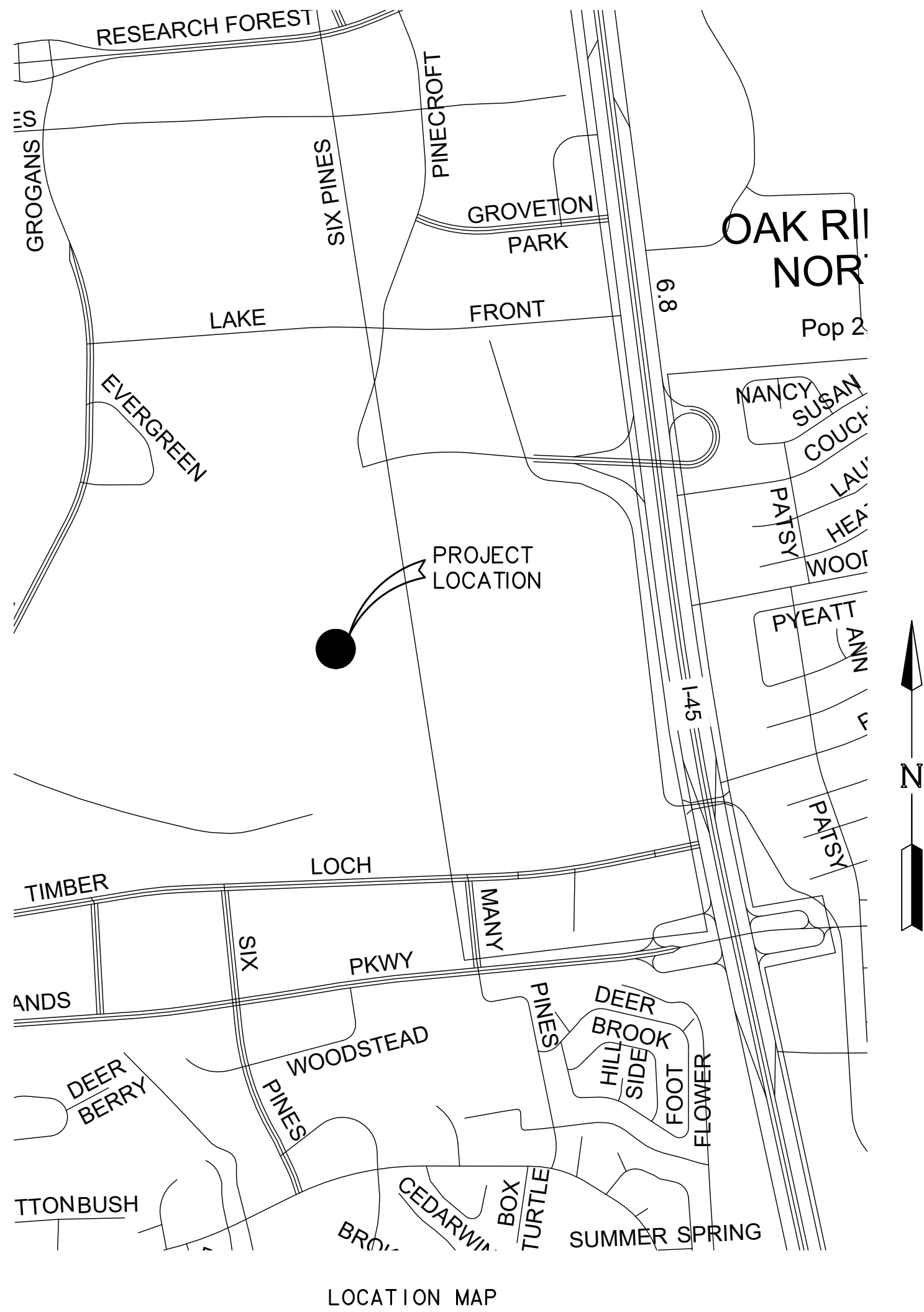


**THE WOODLANDS TOWNSHIP NO. C-2022-0135**  
**DATE: JANUARY, 2023**

# INDEX OF DRAWINGS



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## ADDITIONAL SHEETS

## WZ (TD) - 17 - TRAFFIC CONTROL PLAN TYPICAL DETAILS

[illegible]

HARDSCAPE NOTES
A. Contractor shall act in accordance with applicable local codes, ordinances and standards enforced at the time of construction.
B. Contractor is responsible for verifying the accurate locations of property lines, rights of way and future construction easements and shall notify the Landscape Architect of any discrepancies prior to construction.
C. Contractor is responsible for verifying all utility locations and shall notify the landscape architect of any discrepancies prior to construction.
D. Contractor shall not willfully proceed with construction as designed when it is obvious that unknown obstructions and/or grade differences exist that may not have been known during preparation of construction documents. Such conditions shall immediately be brought to the attention of the Owner. The contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.
E. Contractor shall stake locations of all proposed hardscape elements for approval by the Landscape Architect prior to construction.
F. Contractor shall layout curvilinear sidewalks and paths so as to make smooth and continuous transitions.
G. Sidewalks to cross slope 0.5% min, 2% max. 5% max. slope on sidewalks.
H. Dimensions taken from road edge are typically from Back of Curb (B.O.C.) unless otherwise noted on the plan. All dimensions taken from curbs, building face, or other hardscape features are taken perpendicular unless otherwise noted on plans.
I. All hardscape element dimensions are to centerline of the element unless otherwise noted on the plans.
J. The elevations of all proposed hardscape elements shall be verified in the field and approved by Landscape Architect.
K. Contractor is responsible for replacement of any existing materials that are damaged during construction, as determined by the Landscape Architect or Owner's authorized representative.
L. Contractor shall be responsible for existing tree protection.
M. Contractor is responsible for verifying all utility locations prior to construction - contact 'residential locating
N. Contractor is responsible for relocating or adjusting them as necessary in order to construct new layout.
O. Contractor shall stake all locations of all sidewalks, walls, signs and fences for approval by landscape architect.
P. Contractor shall layout walk so as to make smooth and continuous transitions.

IRRIGATION NOTES
A. Except as otherwise provided, the contractor shall procure all permits and licenses, pay all charges & fees and give all notices necessary & incidental to the due lawful prosecution of the work.
B. The contractor shall follow the local municipal Public Works specifications for hot taps & installation of irrigation system.
C. The contractor shall notify pertinent utility companies 48 hours prior to construction for current utility locations. Extreme care shall be exercised in excavating and working near existing utilities. The contractor shall verify the location & condition of all utilities and be responsible for any damage to utilities.
D. The contractor shall not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in the area's dimensions exist that might not have been considered in the engineering. Such obstructions or differences shall be brought to the attention of the owner. In the event this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions necessary.
E. The drawings are diagrammatic. All irrigation mainlines, lateral lines, valves, wire, and fittings shall be placed in landscape areas. Gate valves, and remote control valves shall be placed in shrub beds whenever possible.
F. Avoid existing or future locations of trees and tree root balls when laying pipe.
G. The contractor shall clearly mark all exposed excavations, materials and equipment. Cover or barricade trenches when the contractor is not on site.
H. The contractor shall adjust the arc angle of the irrigation heads for even cover. Head layout shall be head to head coverage. All nozzles shall have matching precipitation rates.
I. The contractor shall at all times protect his work from damage and theft. In the event of damage or theft, the contractor shall replace all damaged or stolen parts until the work is accepted in writing by owner.

CLEARING NOTES
A. The contractor shall verify the location of all designated clearing areas, trees, and shrubs with the landscape architect prior to clearing activities.
B. The contractor shall remove only those trees and shrubs within the clearing areas designated by the landscape architect.
C. The contractor shall completely remove stumps, roots and other debris protruding through the ground surface to a minimum depth of 12".
D. The contractor shall carefully and cleanly cut roots and branches of trees indicated to be left standing where such roots and branches obstruct construction.
E. The contractor shall remove all surface rocks, dead and deleterious material, and trash from construction area.

LANDSCAPE NOTES
A. The contractor shall supply photos or samples of each plant species indicated on the planting legend, to landscape architect, to serve as min. requirements of each species type.
B. The contractor shall obtain an agricultural soils analysis by an approved lab for soils amendments and planting media recommendations. provide one copy to the landscape architect for approval prior to installation of soil mix.
C. The contractor shall be responsible for verifying all utility locations in the field prior to installation and shall be responsible for any damage to sald utilities.
D. Tree material shall be planted a min. of 3' from walkways, streets, or buildings unless otherwise noted on the drawings.
E. The contractor shall stake all tree locations and planting beds, and verify limits of turf in the field for approval by the landscape architect prior to installation.
F. Finish grade of all planting beds adjacent to buildings shall have a min. of 4-6" clearance from top of slab.
G. Existing soil shall be removed from planting holes, see specifications for appropriate backfill mix.
H. Stabilize soil below rootball prior to planting to prevent tree or shrub from settling.
I. The contract or is responsible for fine grading any areas disturbed by construction on site.
J. Contractor to repair or replace all disturbed turf areas from landscape construction outside of turf limits, within limit of work, with solid sod of matching existing species.

GRADING NOTES
A. The contractor shall refer to local prevailing codes and standards where applicable.
B. The contractor shall be responsible for tree protection. Maintain existing grade within drip line of all existing trees. The contractor shall notify the landscape architect before commencing work where grading conditions dictate more than 2" of fill within the drip line.
C. The contractor is responsible for the replacement of any existing materials that are damaged during construction, as determined by the owner's authorized representative.
D. Contractor shall be responsible for verifying locations of all underground utilities, pipes and structures prior to any grading activities. Contractor shall take sole responsibility for any cost incurred due to damage of mentioned Utilities.
E. Contractor shall not willfully proceed with construction as designed when it is obvious that unknown obstructions and/or grade differences exist that may not have been known during preparation of construction documents. Such conditions shall immediately be brought to the attention of the owner. The contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.
F. No change in contract price will be allowed For any actual or claimed discrepancy between existing grades and those shown on plans after contractor has accepted existing grades and begun work on the site.
G. Contractor shall be responsible for any coordination with subcontractors as required to accomplish grading operations.
H. The location of features to be constructed and not specifically dimensioned may be determined by scale. If conflicts arise in the field, notify the landscape architect for resolution.
I. In the field if scaled dimensions conflict with noted grades, and/or elevations, notify the landscape architect to resolve discrepancies.
J. Fill and grade smooth all holes, depressions, and ruts that are a result of work performed under this contract. All areas are too be graded so as to provide positive drainage and outfall.
K. Finished grade shall be 1" below adjacent curbs, pavement, and walks.

GRADING NOTES (CONTINUED)
L. Contractor is responsible for hauling all excess soil off site for disposal. No excess soil is to be placed anywhere on site unless called for in the plans or the contractor receives written approval from the owner's representative with instruction on where the soil is to be placed and the quantity to be placed.
M. On all walks and trails, running slope to be less than 20:1 or 5% and cross slope to be less than 50:1 or 2% max.

TREE PROTECTION NOTES
A. Preserve and protect existing trees and plants to remain from foliage, branch, trunk, or root damage that could result from construction operations.
B. Prevent following types of damage: 1. Compaction of root zone by foot or vehicular traffic, or material storage. 2. Trunk damage from equipment operations, material storage, or from nailing or bolting. 3. Trunk and branch damage caused by ropes or guy wires. 4. Root poisoning from spilled solvents, gasoline, paint, and other noxious materials. 5. Branch damage due to improper pruning or trimming. 6. Damage from lack of water due to failure to provide adequate watering 7. Damage from alteration of soil pH factor caused by depositing lime concrete, plaster, or other base materials near roots. 8. Cutting of roots larger than 1-1/2 inches in diameter
C. When trees other than those designated for removal are destroyed or badly damaged as a result of construction operations, remove and replace with same size, species, and variety up to and including 8 inches in trunk diameter. Tree larger than 8 inches in diameter shall be replaced with and 8-inch diameter tree of the same species.
D. All necessary tree replacements shall be as approved by the Owner.
E. Except for trees and shrubs shown on Drawings to be removed, all trees and shrubs within the project area are to remain and be protected from damage. 1. Trimming of trees and shrubs to remain shall be done only under extreme care. a. Trees and shrubs requiring pruning for construction should also be pruned for balance as well as to maintain proper form and branching habit. b. Cut limbs at branch collar. No stubs should remain on trees. Branch cuts should not gouge outer layer of tree structure or trunk. 2. Use extreme care to prevent excessive damage to root systems. a. Roots in construction areas will be cut smoothly with a trencher before excavation begins. Do not allow ripping of roots with a backhoe or other equipment. b. Temporarily cover exposed roots with wet burlap to prevent roots from drying out. 3. Prevent damage or compaction of root zone (area below dripline) by construction activities. a. Do not allow scarring of trunks or limbs by equipment or other means. b. Do not store construction materials, equipment, vehicles, or excavated material under dripline of trees. c. Do not pour liquid materials under dripline. 4. Water and fertilize trees and shrubs that will remain to maintain their health during construction period.
F. Tree Barricade Fencing 1. Prior to construction, install 48" orange diamond safety fencing continuously around all existing trees which are to remain undisturbed within the site as well as those isolated individual trees to remain.

ONE-CALL NOTIFICATION SYSTEM  
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FRN-F-1386

Key Map

THE WOODLANDS  
TROLLEY STOPS


HARDSCAPE & LANDSCAPE  
DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID

DrawnBG, AJ

CheckedCP



1/5/2023

Project #: 0473-21001

ISSUE FOR BID

Date: JANUARY 5, 2023

Revision	Date	Remarks

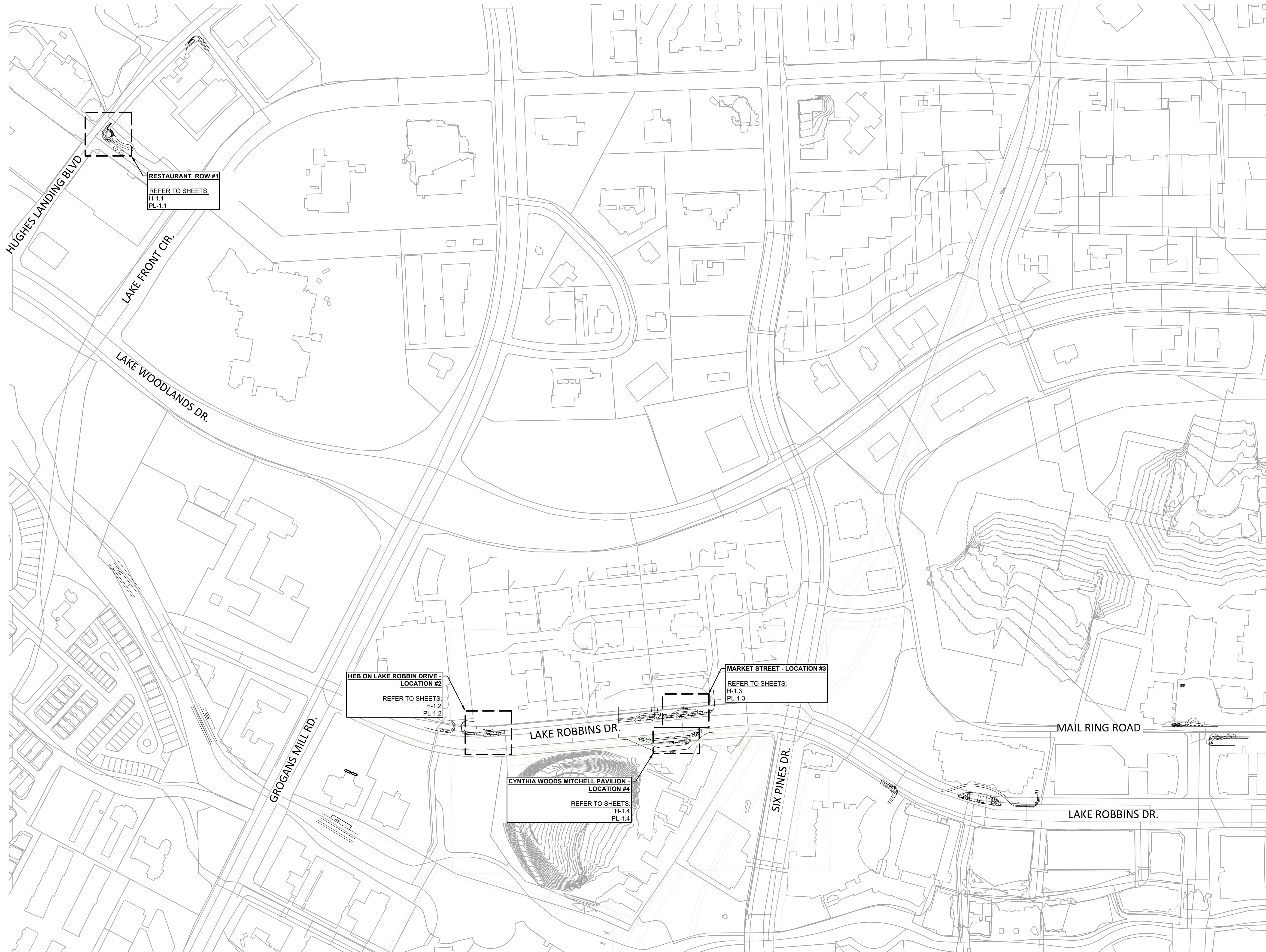
Sheet Title:

GENERAL NOTES

Sheet Number

G - 0 . 0





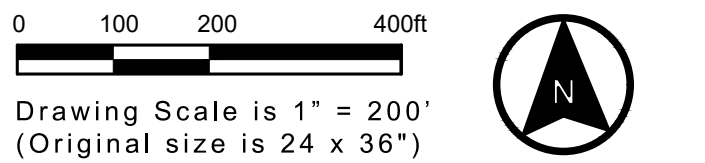
Key Map


# THE WOODLANDS TROLLEY STOPS

## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID



Drawn	BG, AJ
Checked	CP
<div><div>Charles R. Smith 1/5/2023</div></div>	

Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
OVERALL SITE PLAN

Sheet Number:  
**H-1.0**





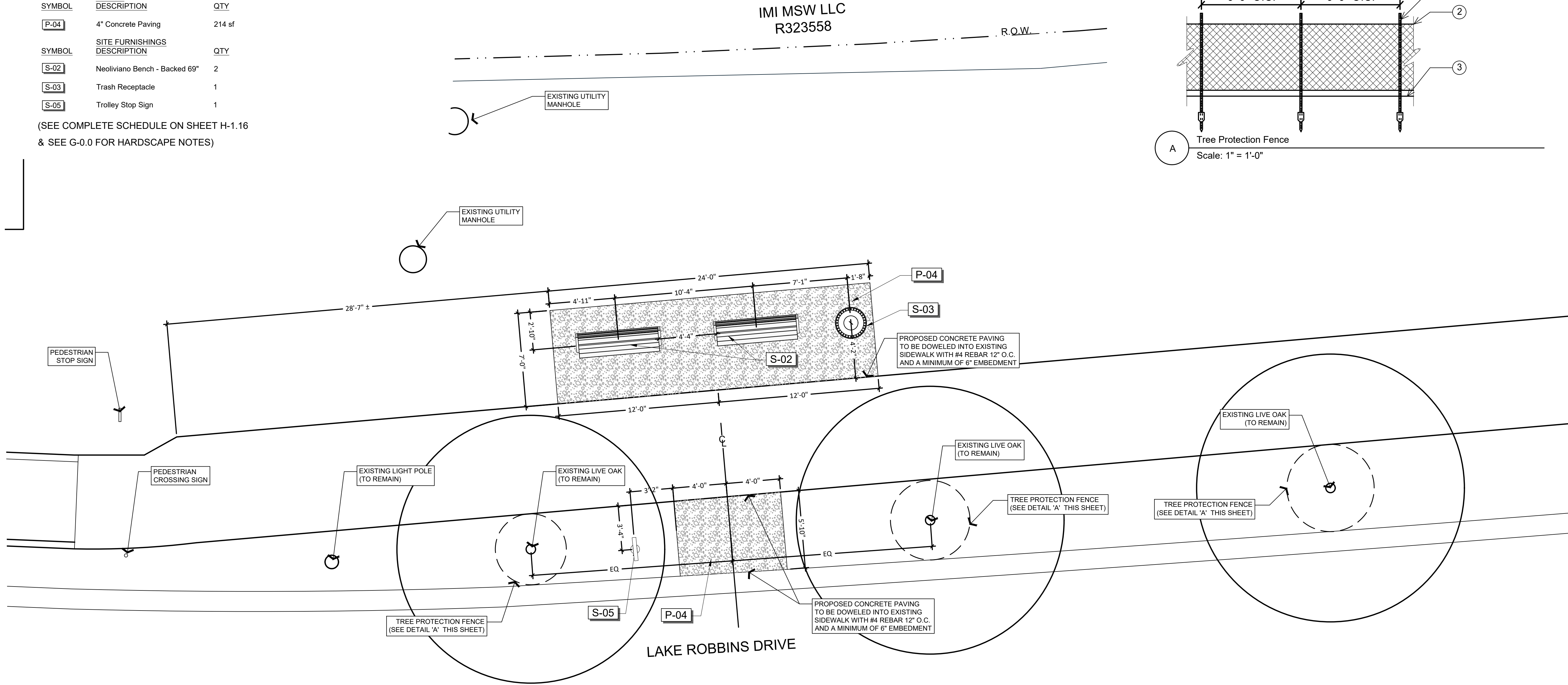




REFERENCE NOTES SCHEDULE HEB AT LAKE ROBBINS

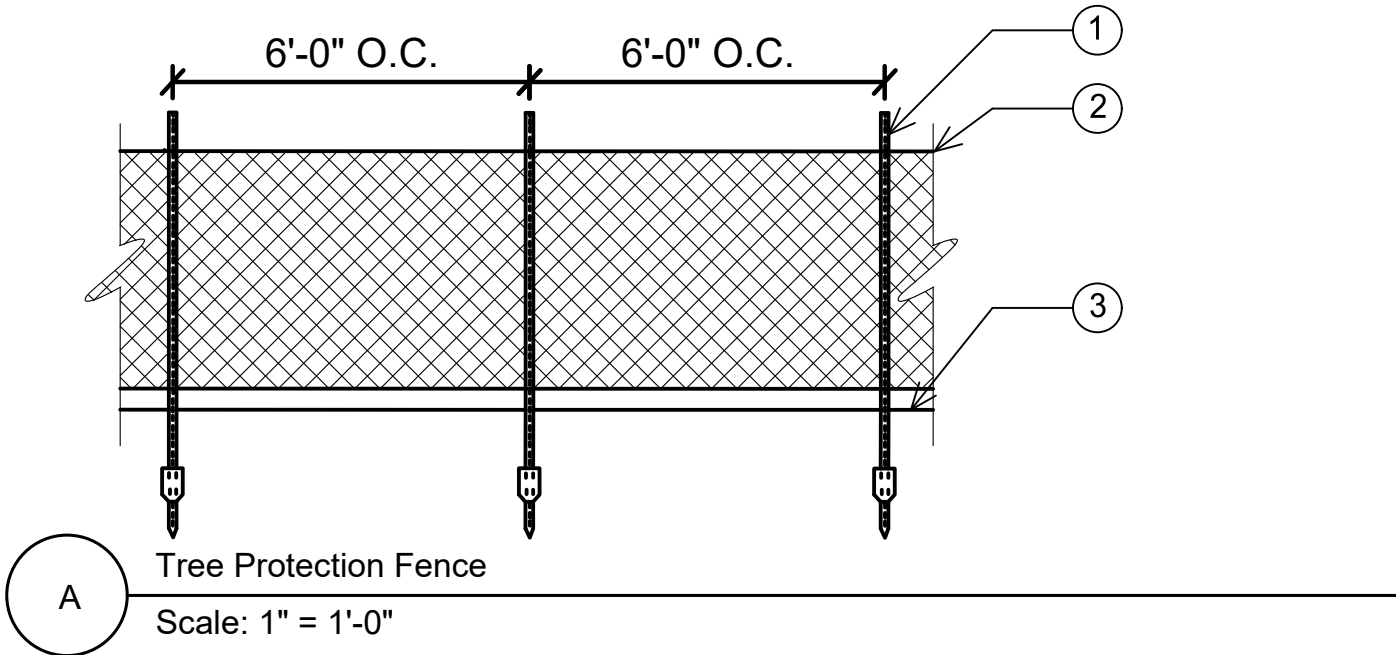
SYMBOL	PAVING DESCRIPTION	QTY
P-04	4" Concrete Paving	214 sf
SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY
S-02	Neoliviano Bench - Backed 69"	2
S-03	Trash Receptacle	1
S-05	Trolley Stop Sign	1

(SEE COMPLETE SCHEDULE ON SHEET H-1.16  
& SEE G-0.0 FOR HARDSCAPE NOTES)



Detail Callout Legend:

- 6 Ft. Tee Posts; Min. 12" Into Ground.
- 4Ft. Orange Diamond Safety Fence.
- Existing Grade.

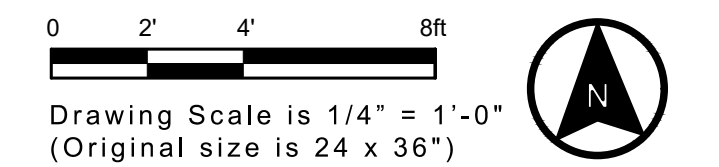


THE WOODLANDS  
TROLLEY STOPS

HARDSCAPE & LANDSCAPE  
DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
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Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
HEB ON LAKE ROBBINS DRIVE -  
LOCATION #2

Sheet Number  
**H-1.2**





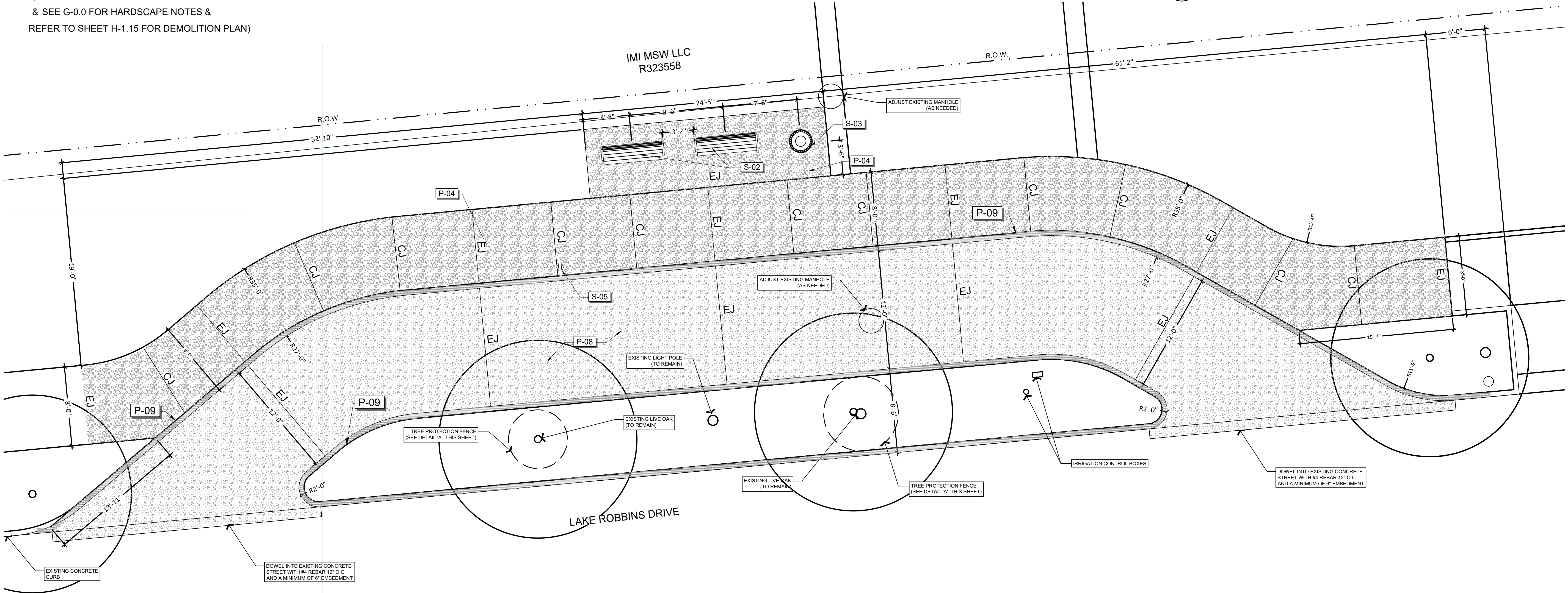
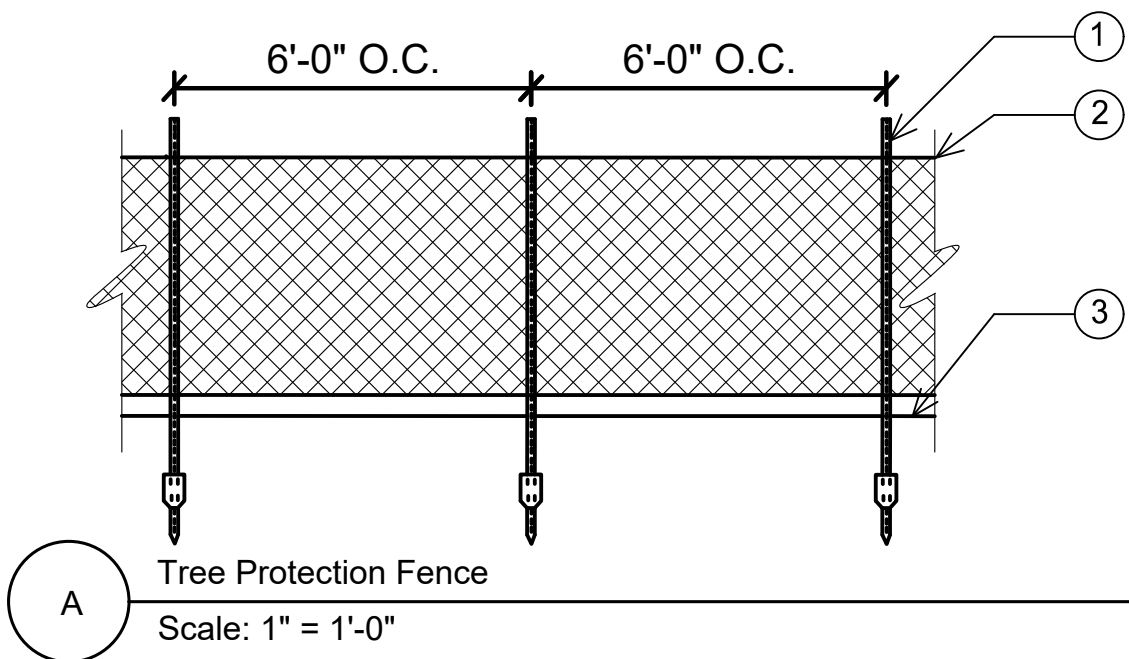
REFERENCE NOTES SCHEDULE MARKET STREET

SYMBOL	PAVING DESCRIPTION	QTY
P-04	4" Concrete Paving	1,271 sf
P-08	8" Concrete Paving	1,587 sf
P-09	6" Concrete Vehicular Curb	338 lf
SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY
S-02	Neoliviano Bench - Backed 69"	2
S-03	Trash Receptacle	1
S-05	Trolley Stop Sign	1

(SEE COMPLETE SCHEDULE ON SHEET H-1.16  
& SEE G-0.0 FOR HARDSCAPE NOTES &  
REFER TO SHEET H-1.15 FOR DEMOLITION PLAN)

Detail Callout Legend:

- 6 Ft. Tee Posts; Min. 12" Into Ground.
- 4Ft. Orange Diamond Safety Fence.
- Existing Grade.



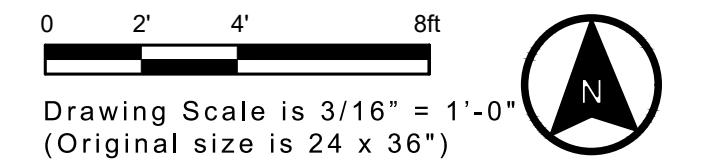
Key Map

**THE WOODLANDS  
TROLLEY STOPS**

**HARDSCAPE & LANDSCAPE  
DRAWINGS**

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
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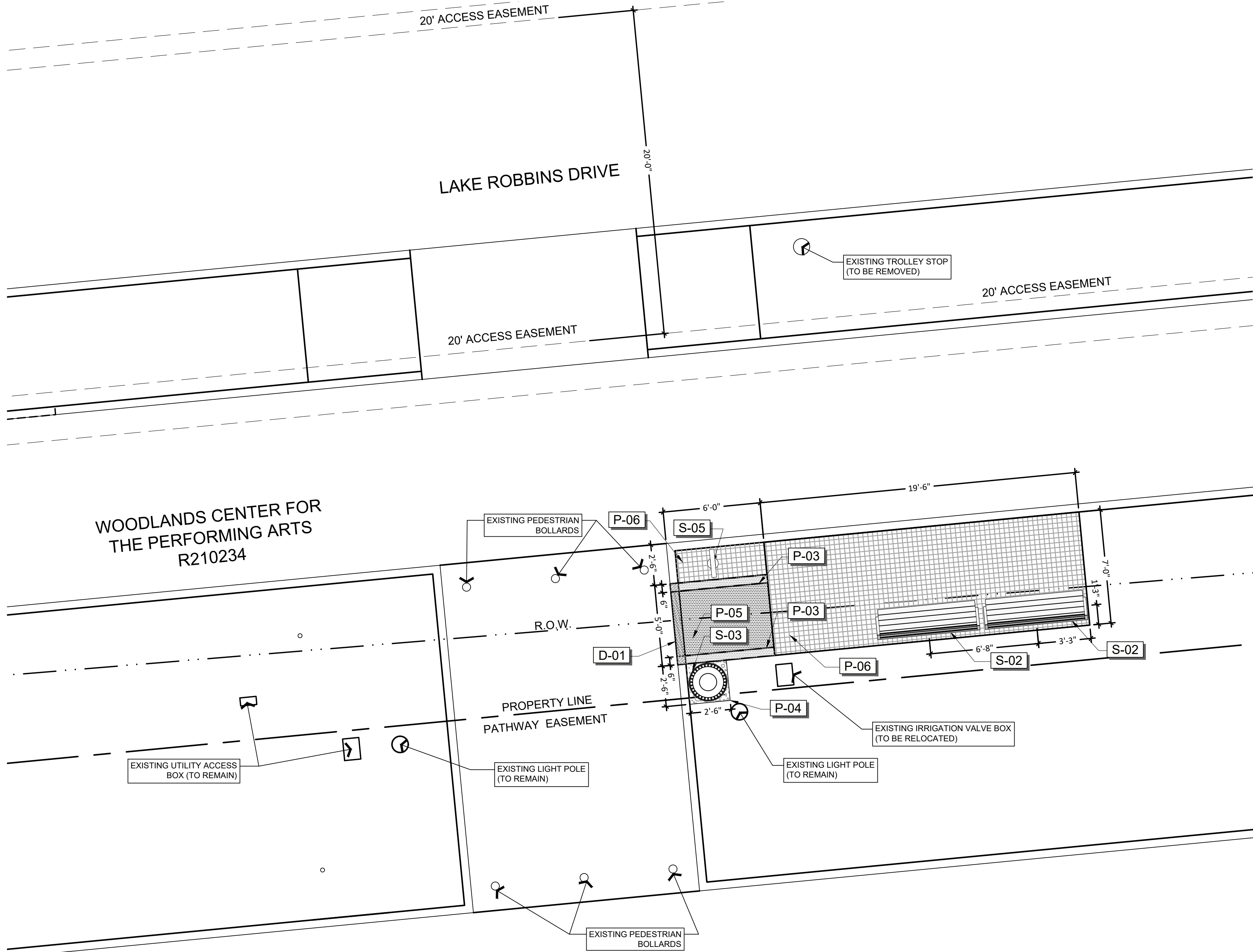
Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
MARKET STREET - LOCATION #3

Sheet Number  
**H-1.3**





REFERENCE NOTES SCHEDULE CYNTHIA WOODS MITCHELL PAVILION

SYMBOL	DEMO DESCRIPTION	QTY
D-01	Demolish Curb	11 lf
SYMBOL	PAVING DESCRIPTION	QTY
P-03	6" Concrete Curb	12 lf
P-04	4" Concrete Paving	6 sf
P-05	ADA Grooved Ramp	24 sf
P-06	Square Paver - Tan (To Match Existing)	147 sf
SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY
S-02	Neoliviano Bench - Backed 69"	2
S-03	Trash Receptacle	1
S-05	Trolley Stop Sign	1

(SEE COMPLETE SCHEDULE ON SHEET H-1.16  
& SEE G-0.0 FOR HARDSCAPE NOTES)



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THE WOODLANDS TROLLEY STOPS


HARDSCAPE & LANDSCAPE DRAWINGS


THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID

0 2' 4' 8ft

Drawing Scale is 1/4" = 1'-0"  
(Original size is 24 x 36")





Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
CYNTHIA WOODS MITCHELL  
PAVILION - LOCATION #4

Sheet Number  
**H-1.4**



Key Map

# THE WOODLANDS TROLLEY STOPS


## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

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Project #: 0473-21001

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Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
HARDSCAPE SCHEDULE

Sheet Number  
**H - 1.5**





Key Map

# THE WOODLANDS TROLLEY STOPS

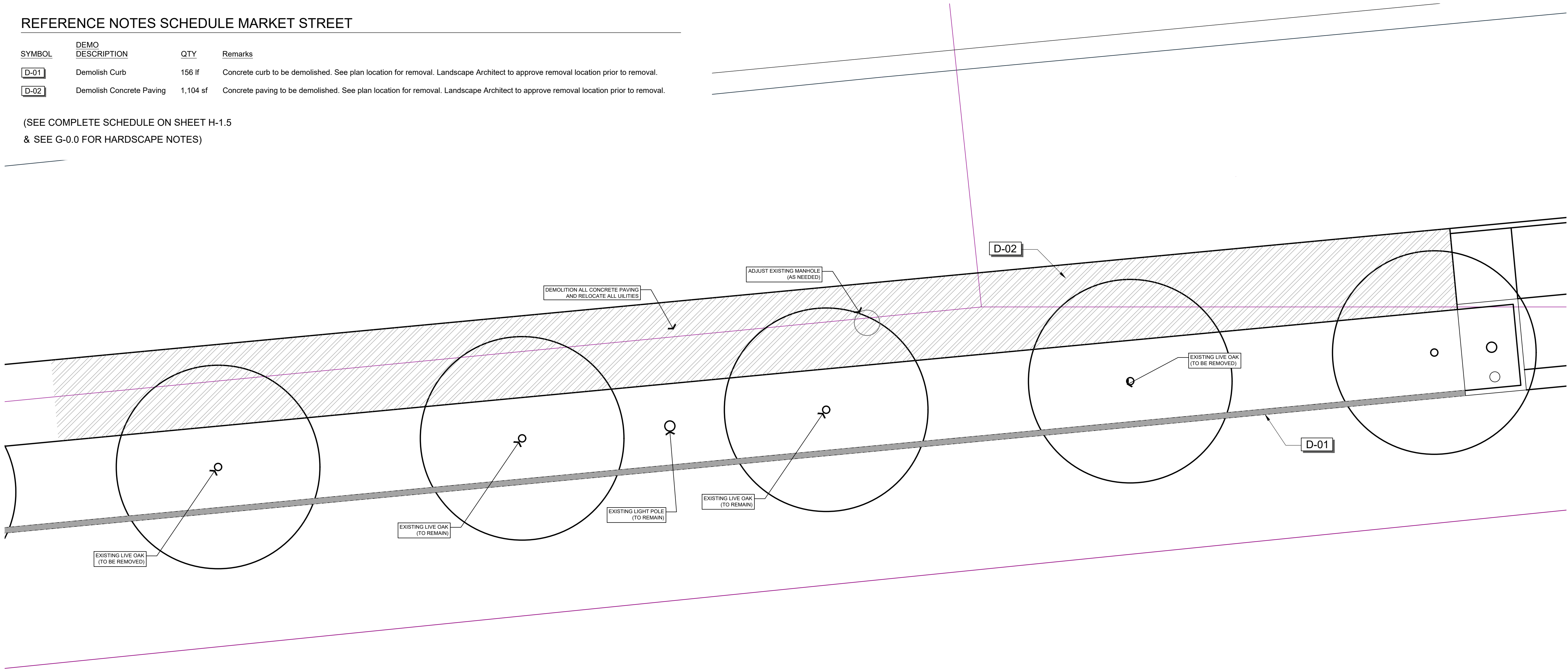
## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

### REFERENCE NOTES SCHEDULE MARKET STREET

SYMBOL	DEMO DESCRIPTION	QTY	Remarks
D-01	Demolish Curb	156 lf	Concrete curb to be demolished. See plan location for removal. Landscape Architect to approve removal location prior to removal.
D-02	Demolish Concrete Paving	1,104 sf	Concrete paving to be demolished. See plan location for removal. Landscape Architect to approve removal location prior to removal.

(SEE COMPLETE SCHEDULE ON SHEET H-1.5  
& SEE G-0.0 FOR HARDSCAPE NOTES)



DATE	ISSUE
01/05/23	ISSUE FOR BID

0 2' 4' 8ft

Drawing Scale is 3/16" = 1'-0"  
(Original size is 24 x 36")

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REGISTERED LANDSCAPE ARCHITECT  
STATE OF TEXAS  
1/5/2023

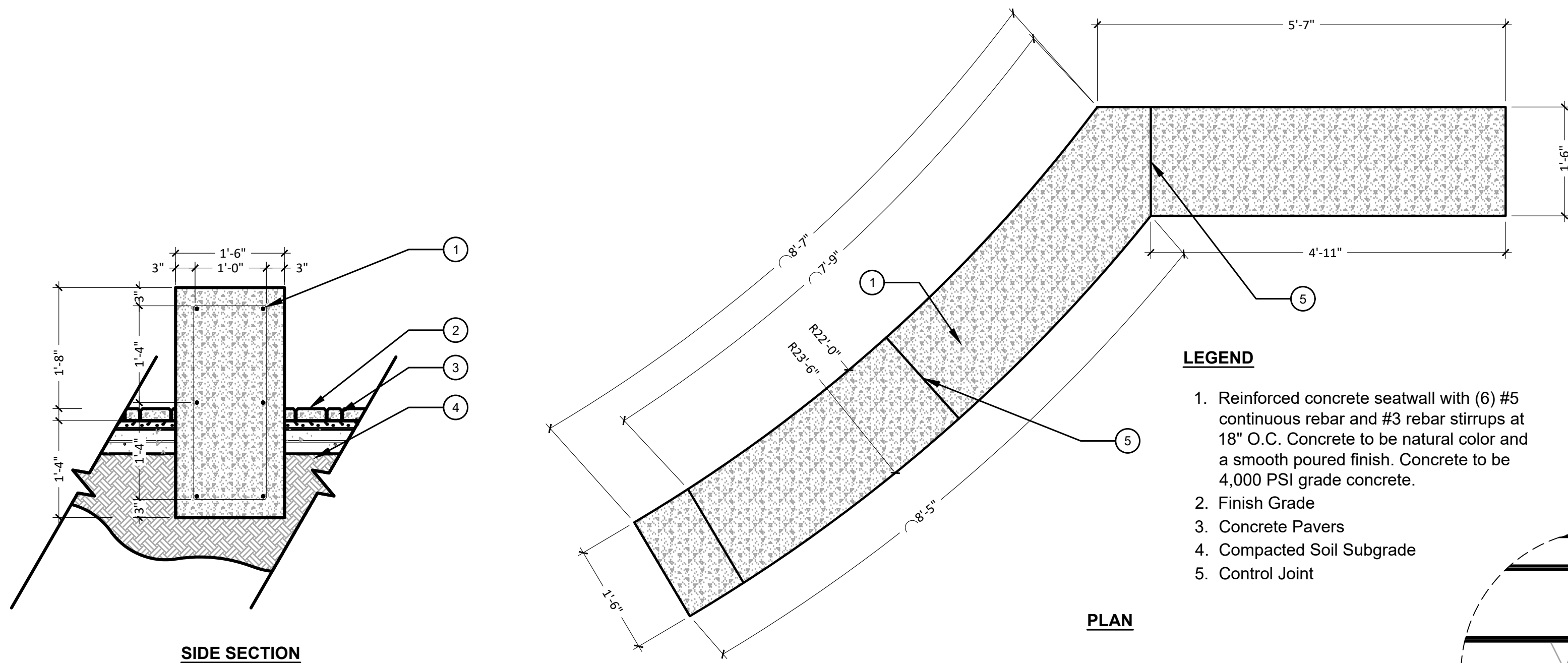
Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
MARKET STREET DEMOLITION PLAN-  
LOCATION #3

Sheet Number  
**H-1.6**





**LEGEND**

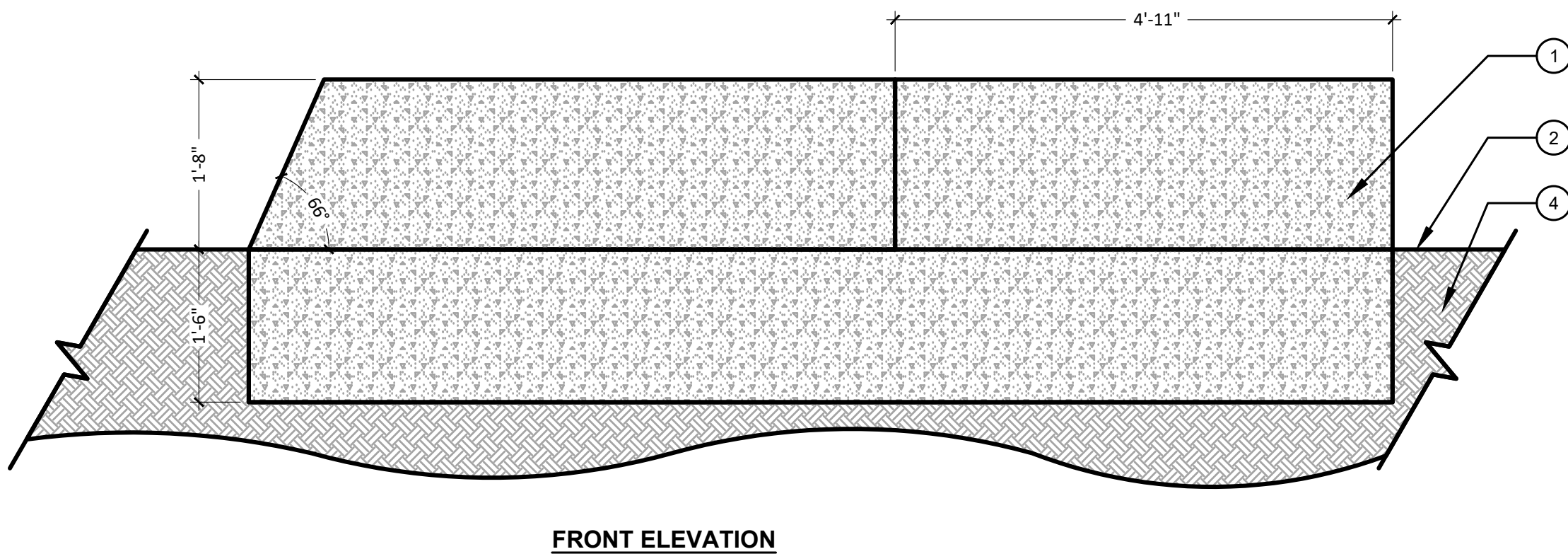
1. Reinforced concrete seatwall with (6) #5 continuous rebar and #3 rebar stirrups at 18" O.C. Concrete to be natural color and a smooth poured finish. Concrete to be 4,000 PSI grade concrete.
2. Finish Grade
3. Concrete Pavers
4. Compacted Soil Subgrade
5. Control Joint

**LEGEND**

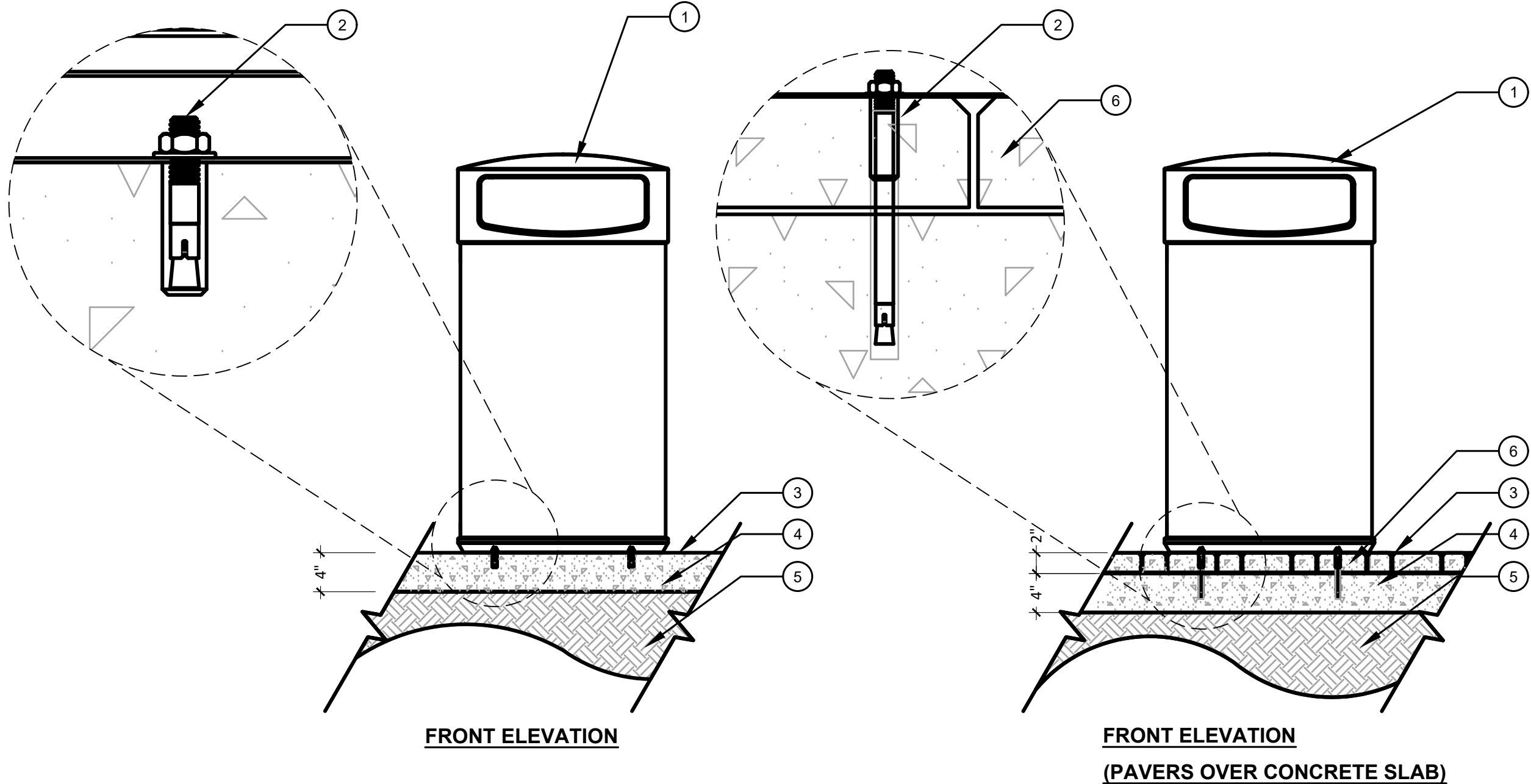
1. 36-Gallon Trash Receptacle, side opening, stainless steel, sandstone, model number: SLUNN-36SSS
2. 18-8 Stainless Steel Tamper-Proof anchor bolts core drilled and epoxied into concrete slab. Stud Anchors for surface mounting to concrete. Install per manufacturers specifications
3. Finish Grade
4. Reinforced Concrete Paving
5. Compacted Soil Subgrade
6. Concrete Pavers

**FORMS + SURFACES**

MODEL: 36-GALLON, SIDE  
OPENING  
DESCRIPTION: UNIVERSAL  
LITTER & RECYCLING  
RECEPTACLE



**FRONT ELEVATION**

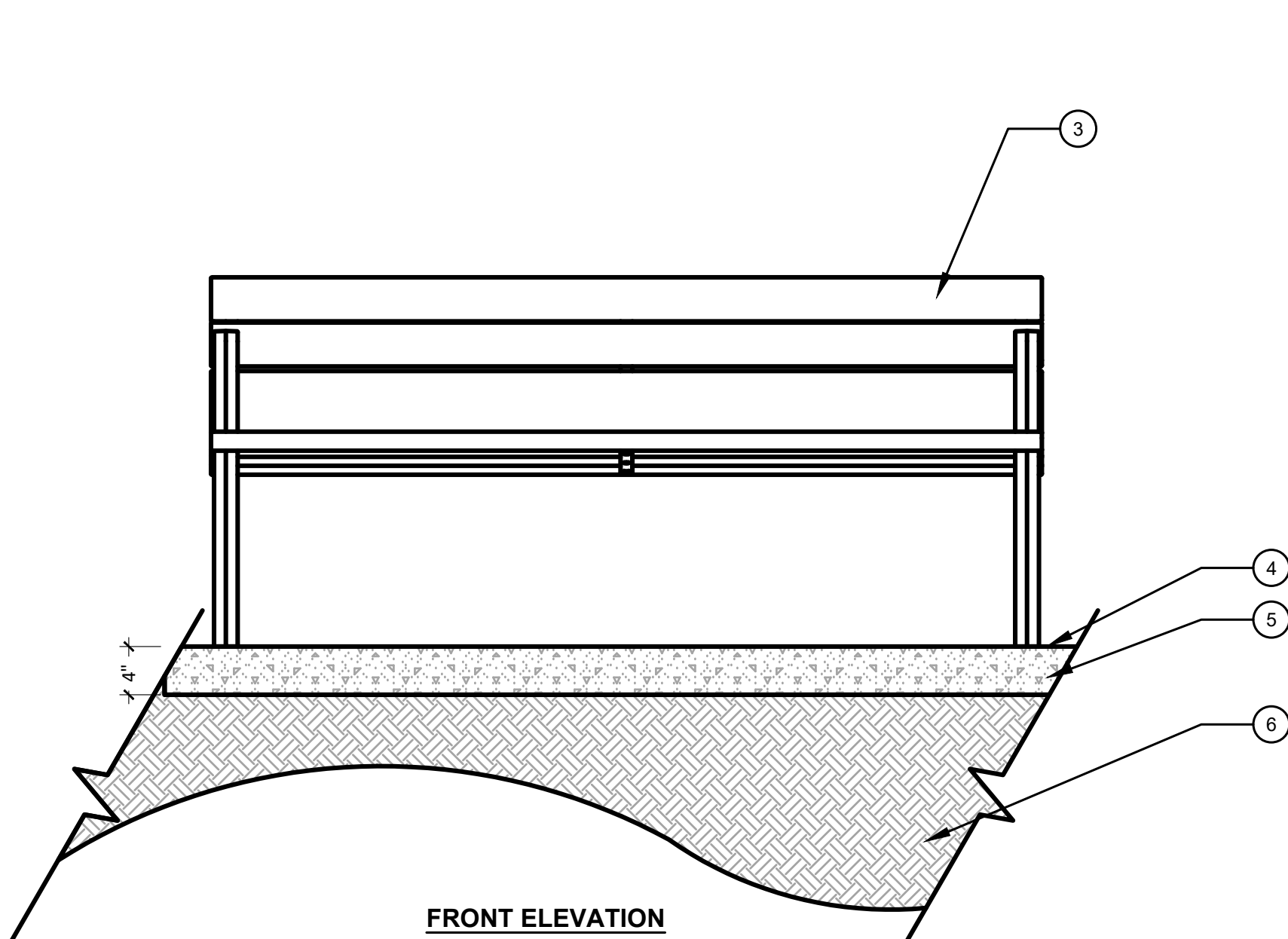


**FRONT ELEVATION**

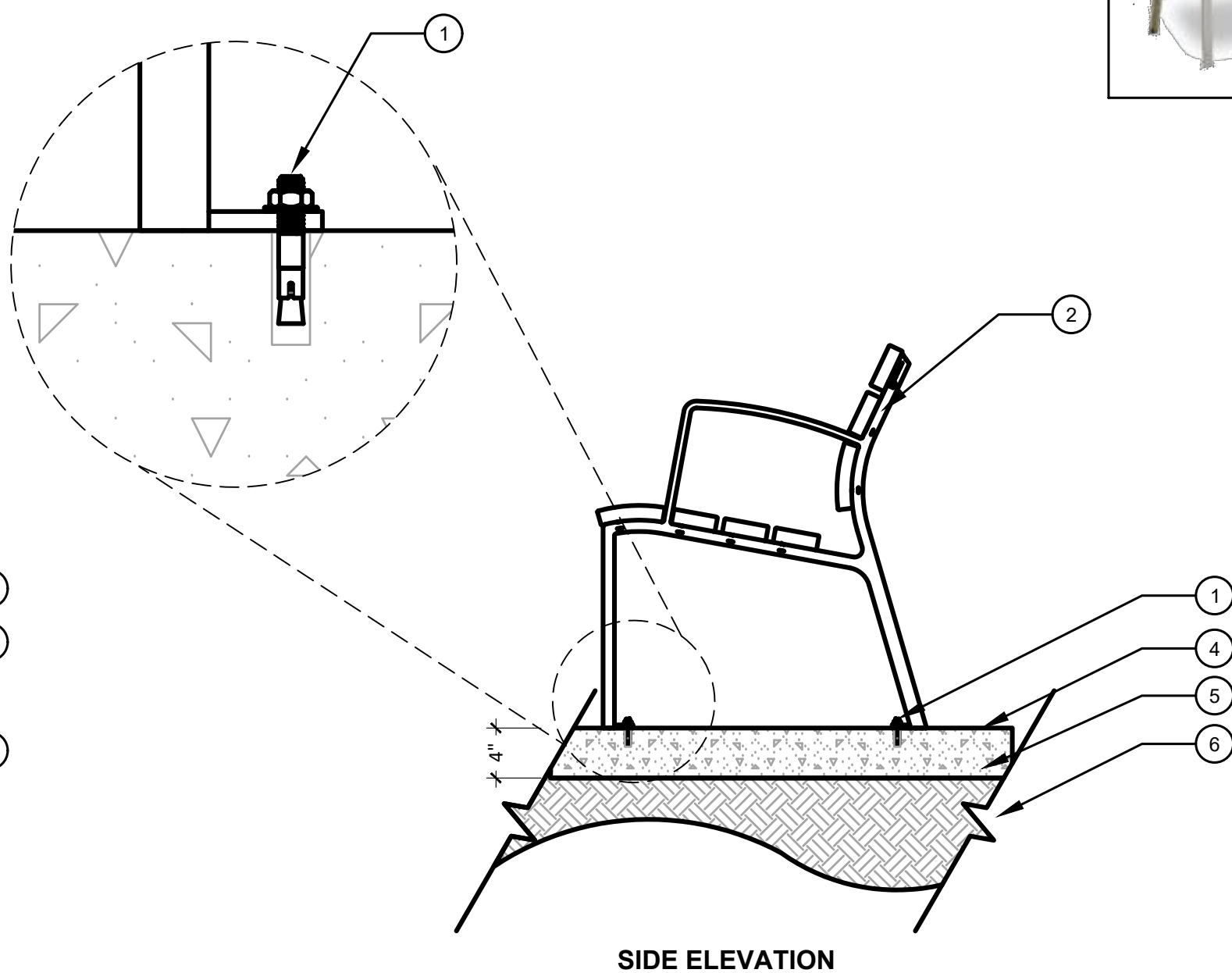
**FRONT ELEVATION  
(PAVERS OVER CONCRETE SLAB)**

**B** Trash Receptacle - Front Elevation  
N.T.S

**C** Concrete Bench - Front Elevation  
Scale: 3/4" = 1'-0"



**FRONT ELEVATION**



**SIDE ELEVATION**

**A** Neoliviano Bench - Front & Side Elevation  
Scale: 1" = 1'-0"

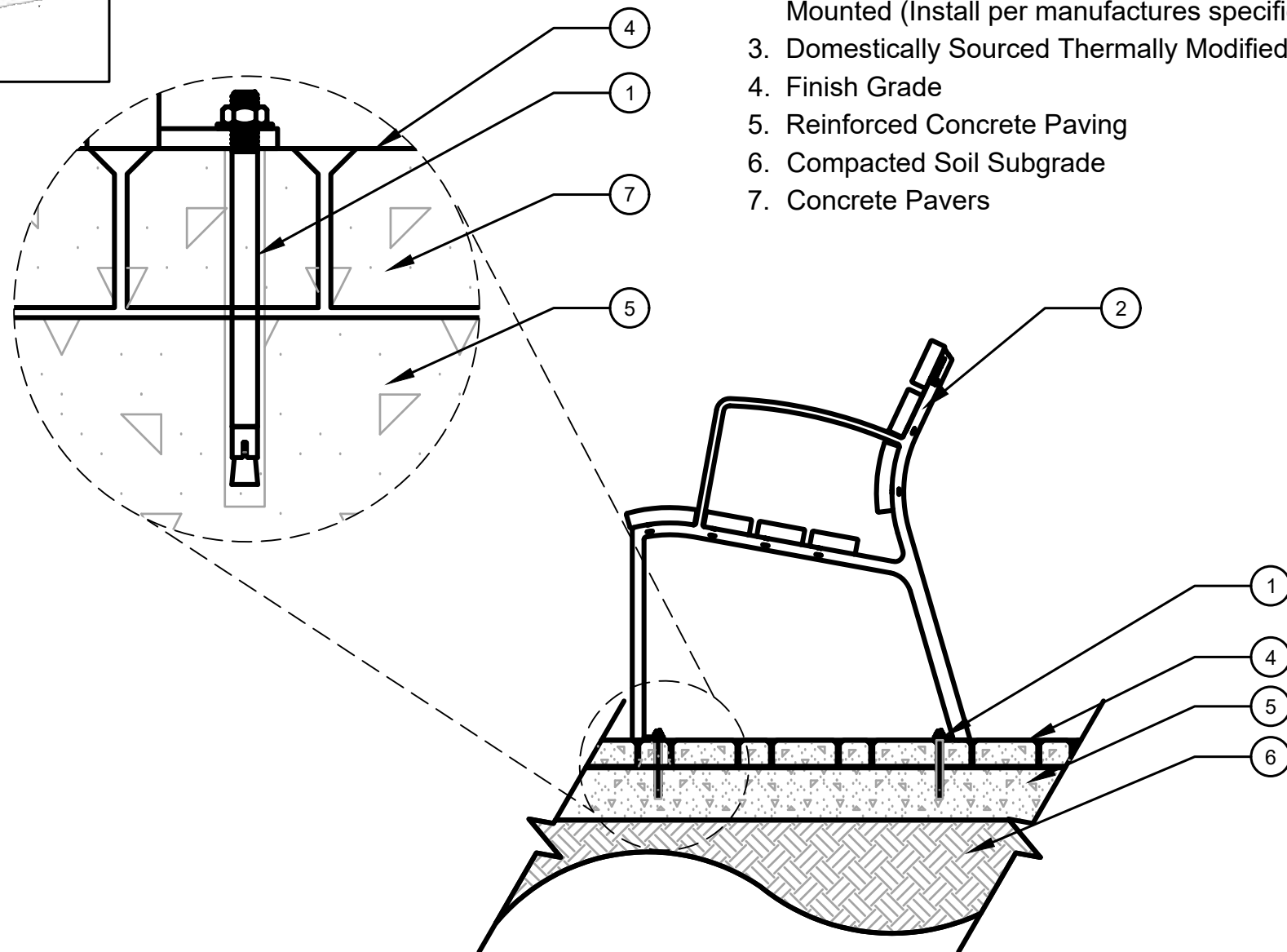
**LANDSCAPEFORMS**

MODEL: NEOLIVIANO  
DESCRIPTION: BACKED  
BENCH, 69IN,



**LEGEND**

1. 18-8 Stainless Steel Tamper-Proof anchor bolts core drilled and epoxied into concrete slab. Stud Anchors for surface mounting to concrete. Install per manufacturers specifications
2. Neoliviano Bench, Backed 69" - Surface Mounted (Install per manufactures specifications)
3. Domestically Sourced Thermally Modified Ash
4. Finish Grade
5. Reinforced Concrete Paving
6. Compacted Soil Subgrade
7. Concrete Pavers



**SIDE ELEVATION**

**(PAVERS OVER CONCRETE SLAB)**

Key Map

## THE WOODLANDS TROLLEY STOPS

### HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE 01/05/23  
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Project #: 0473-21001

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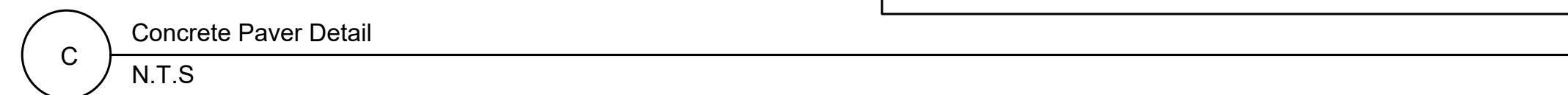
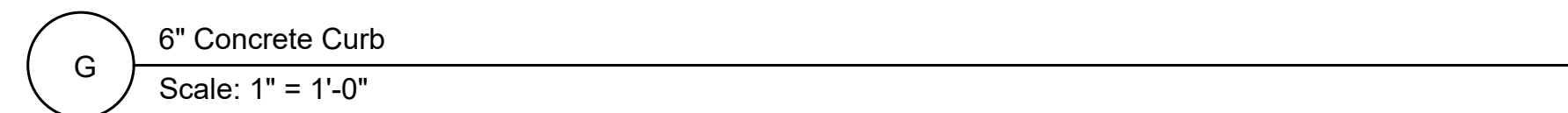
Revision Date Remarks

Sheet Title:  
FURNISHING DETAILS

Sheet Number

**CD-2.0**



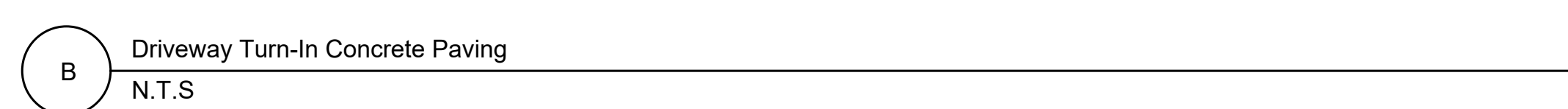


- ## NOTES
- A. Base, subbase, and subgrade thickness vary with loads, subgrade strength and climate.
  - B. Concrete pavers may be inlaid on existing asphalt or concrete gas station pavements.
  - C. Sealing joints of pavers is recommended for gas station applications.
  - D. Provide 2" diameter meter hole(s) filled w/ pea gravel at lowest elevations. Drain to emergency spill catchment.
  - E. Provide 1" diameter holes through curbs to catch basins. Bottom of holes to be even with surface of cement-treated base. Cover holes with geotextile.

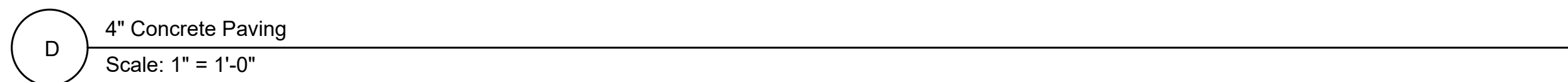
THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

- F Score Joint  
Scale: 2" = 1'-0"


- E Expansion Joint  
Scale: 2" = 1'-0"



- | DATE     | ISSUE         |
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|          |               |
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|          |               |
|          |               |
|          |               |



- |   |                           |
|---|---------------------------|
| A | Detectable Warning Pavers |
|   | N.T.S                     |

Drawn	BG, AJ	
Checked	CP	

[illegible]

Sheet Number

**CD-2.1**





## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

[illegible]

Project #: 0473-21001

## ISSUE FOR BID

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[illegible]

Sheet Title:

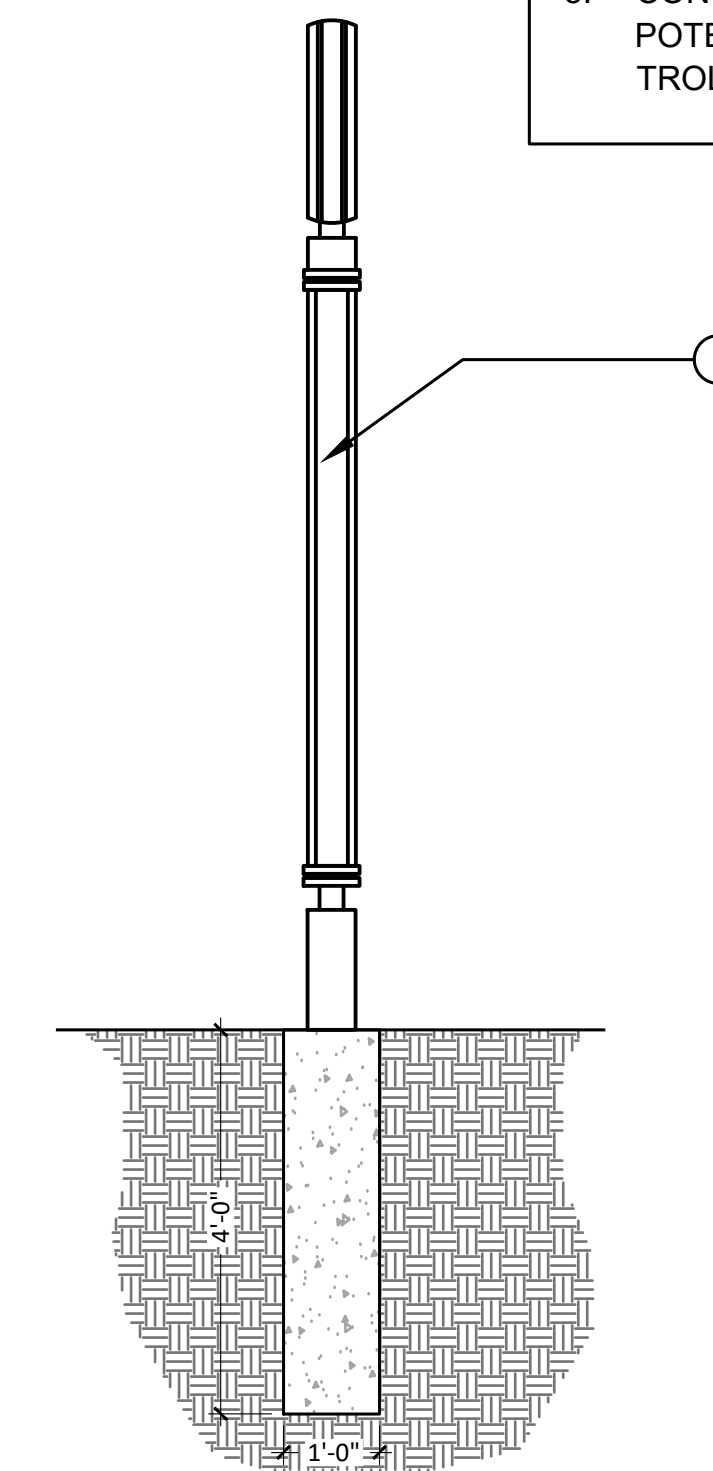
PROPOSED TROLLEY STOP SIGN  
DETAILS

Sheet Number

Sheet Number

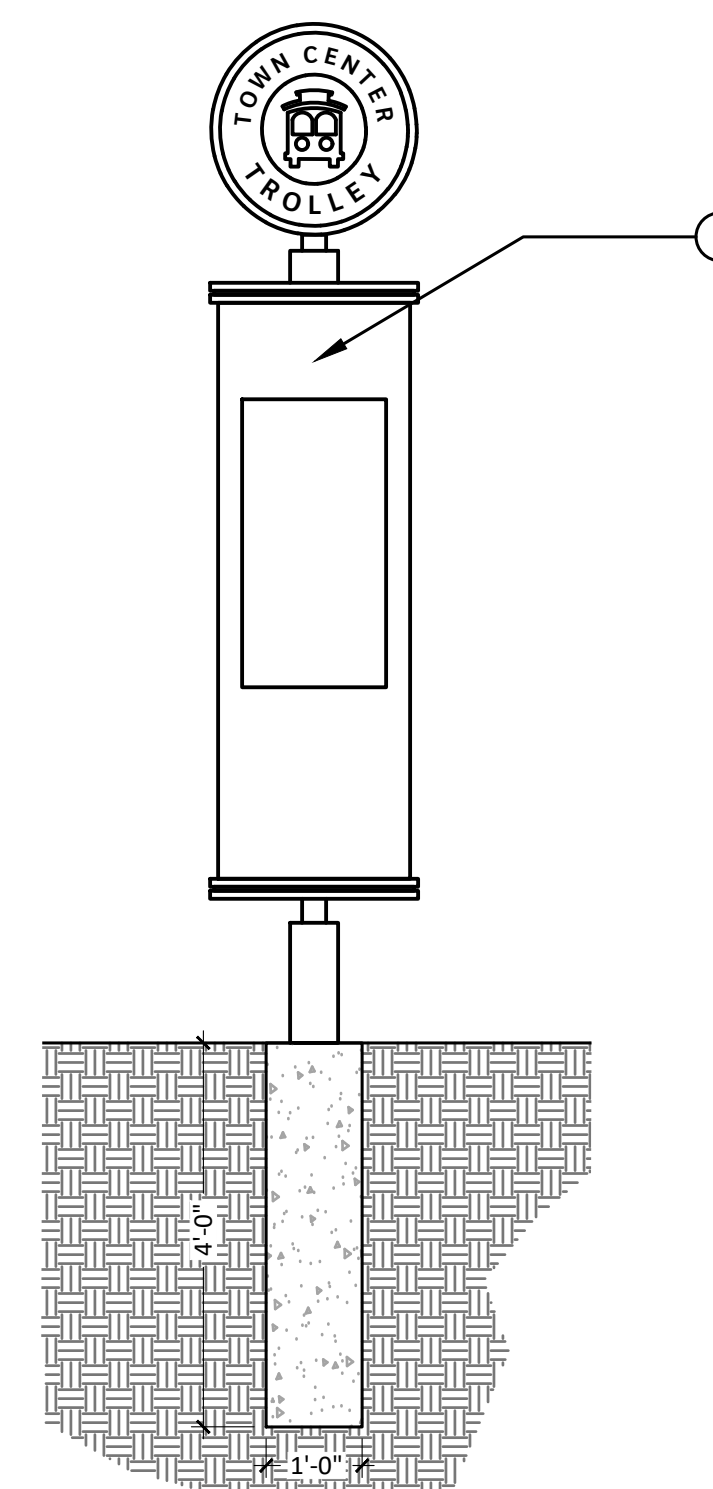
**CD-2.2**

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF TROLLEY STOP SIGNS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION & INSTALLATION
2. TROLLEY STOP SIGN GRAPHICS TO BE PROVIDED BY LANDSCAPE ARCHITECT/OWNER UPON REQUEST
3. CONTRACTOR TO INSTALL CONCRETE PIERED FOOTING IN CONJUNCTION WITH CENTRAL STEEL SUPPORT FOR SIGN
3. CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY AND ALL POTENTIAL UTILITIES BELOW GRADE IN EACH DESIGNATE TROLLEY STOP LOCATION



1. Matching existing signage
2. 4'-0" x12" Concrete footing with steel column poured in place

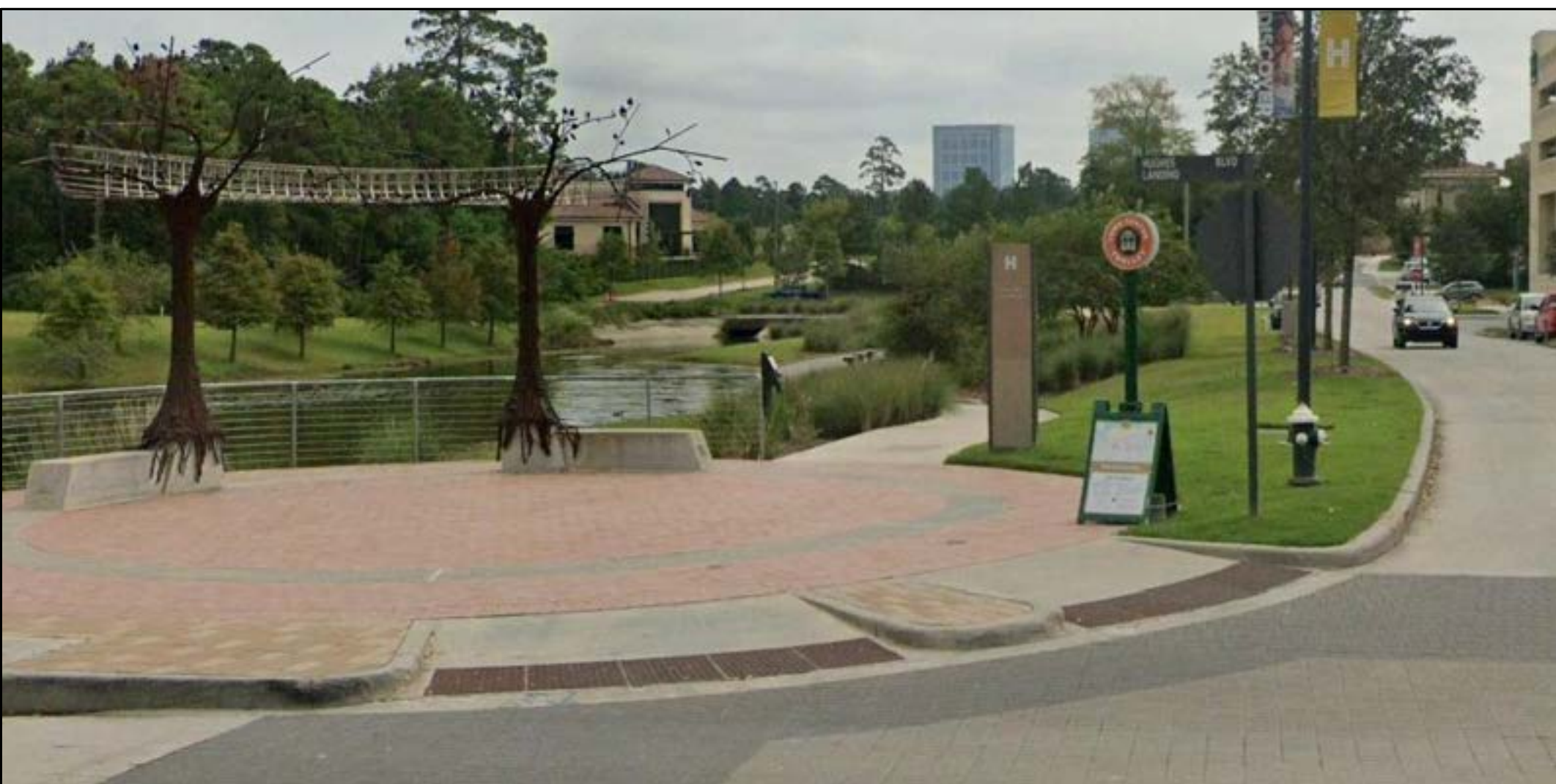
B Trolley Stops Sign - Side Elevation  
N.T.S





1. Matching existing signage
2. 4'-0" x12" Concrete footing with steel column poured in place

A Trolley Stops Sign - Front Elevation  
N.T.S



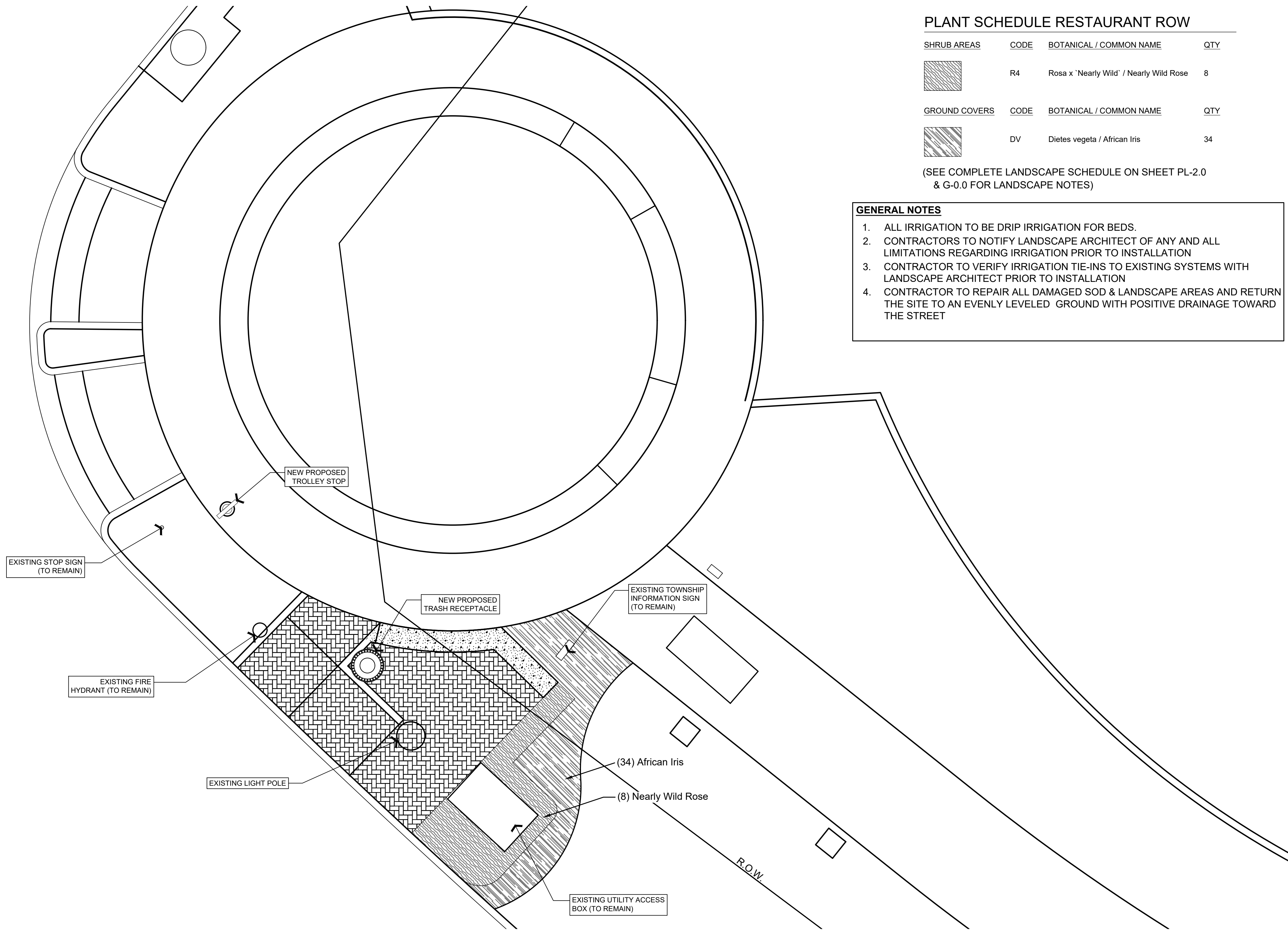


PLANT SCHEDULE RESTAURANT ROW			
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	QTY
	R4	Rosa x 'Nearly Wild' / Nearly Wild Rose	8
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	QTY
	DV	Diets vegeta / African Iris	34

(SEE COMPLETE LANDSCAPE SCHEDULE ON SHEET PL-2.0  
& G-0.0 FOR LANDSCAPE NOTES)

## GENERAL NOTES

1. ALL IRRIGATION TO BE DRIP IRRIGATION FOR BEDS.
2. CONTRACTORS TO NOTIFY LANDSCAPE ARCHITECT OF ANY AND ALL LIMITATIONS REGARDING IRRIGATION PRIOR TO INSTALLATION
3. CONTRACTOR TO VERIFY IRRIGATION TIE-INS TO EXISTING SYSTEMS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
4. CONTRACTOR TO REPAIR ALL DAMAGED SOD & LANDSCAPE AREAS AND RETURN THE SITE TO AN EVENLY LEVELED GROUND WITH POSITIVE DRAINAGE TOWARD THE STREET

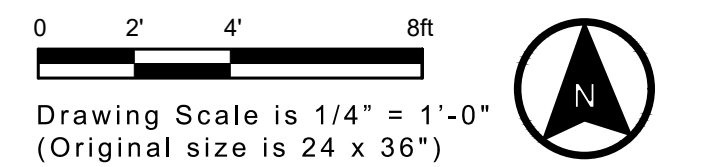



## THE WOODLANDS TROLLEY STOPS

## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID



Drawn	BG, AJ	
Checked	CP	

Project #: 0473-21001

SSUE FOR BID

Date: JANUARY 5, 2023

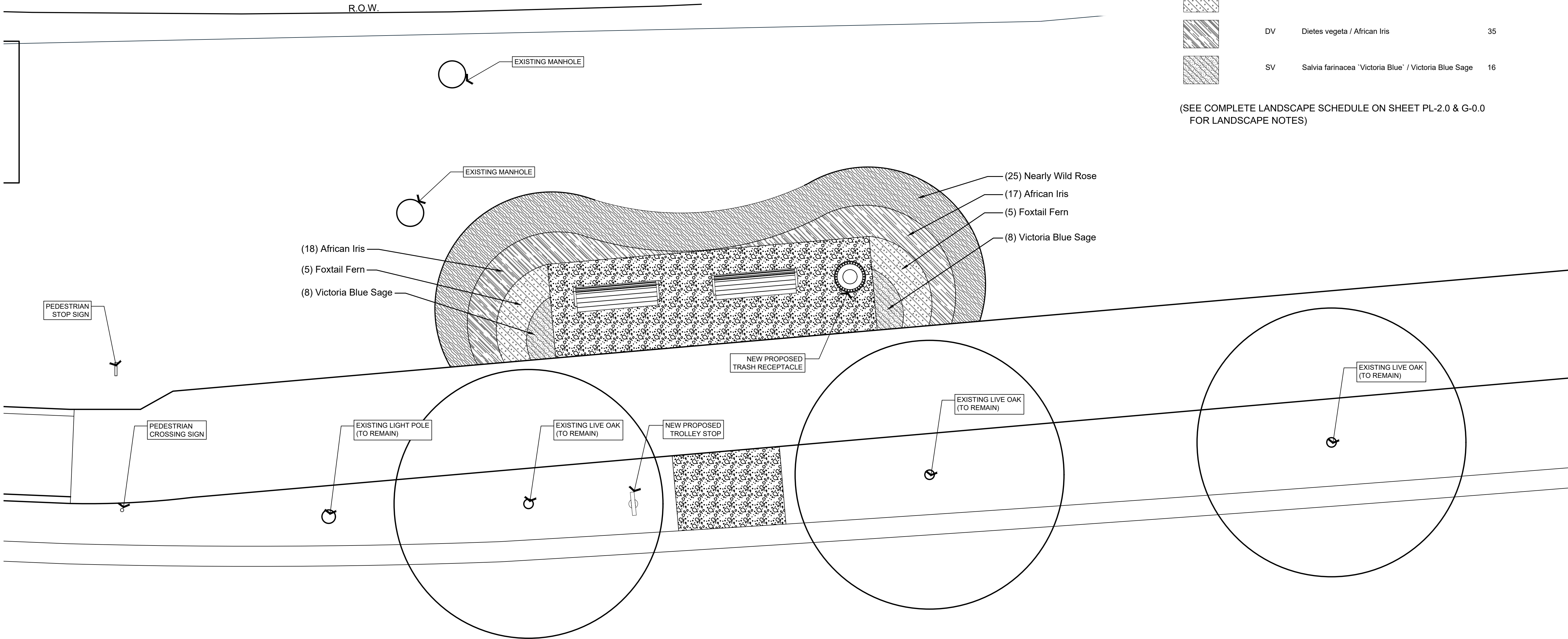
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Sheet Title:  
RESTAURANT ROW LANDSCAPING  
PLAN - LOCATION #1

Sheet Number

**PL-1.1**





- GENERAL NOTES**
1. ALL IRRIGATION TO BE DRIP IRRIGATION FOR BEDS.
  2. CONTRACTORS TO NOTIFY LANDSCAPE ARCHITECT OF ANY AND ALL LIMITATIONS REGARDING IRRIGATION PRIOR TO INSTALLATION
  3. CONTRACTOR TO VERIFY IRRIGATION TIE-INS TO EXISTING SYSTEMS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
  4. CONTRACTOR TO REPAIR ALL DAMAGED SOD & LANDSCAPE AREAS AND RETURN THE SITE TO AN EVENLY LEVELED GROUND WITH POSITIVE DRAINAGE TOWARD THE STREET

**PLANT SCHEDULE HEB AT LAKE ROBBINS**

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	QTY
	R4	Rosa x 'Nearly Wild' / Nearly Wild Rose	25
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	QTY
	AM	Asparagus meyeri / Foxtail Fern	10
	DV	Dietes vegeta / African Iris	35
	SV	Salvia farinacea 'Victoria Blue' / Victoria Blue Sage	16

(SEE COMPLETE LANDSCAPE SCHEDULE ON SHEET PL-2.0 & G-0.0 FOR LANDSCAPE NOTES)

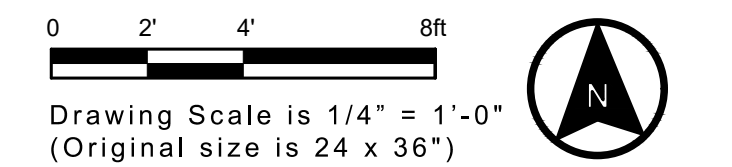
Key Map

**THE WOODLANDS TROLLEY STOPS**

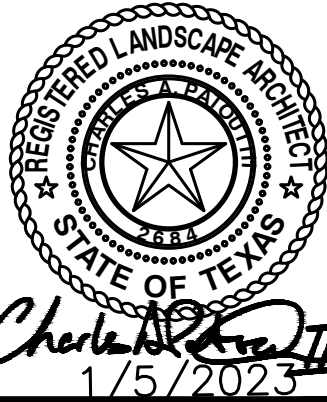
**HARDSCAPE & LANDSCAPE DRAWINGS**

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID



Drawn	BG, AJ
Checked	CP



1/5/2023

Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
HEB ON LAKE ROBBINS DRIVE  
LANDSCAPING PLAN - LOCATION #2

Sheet Number:  
**PL-1.2**





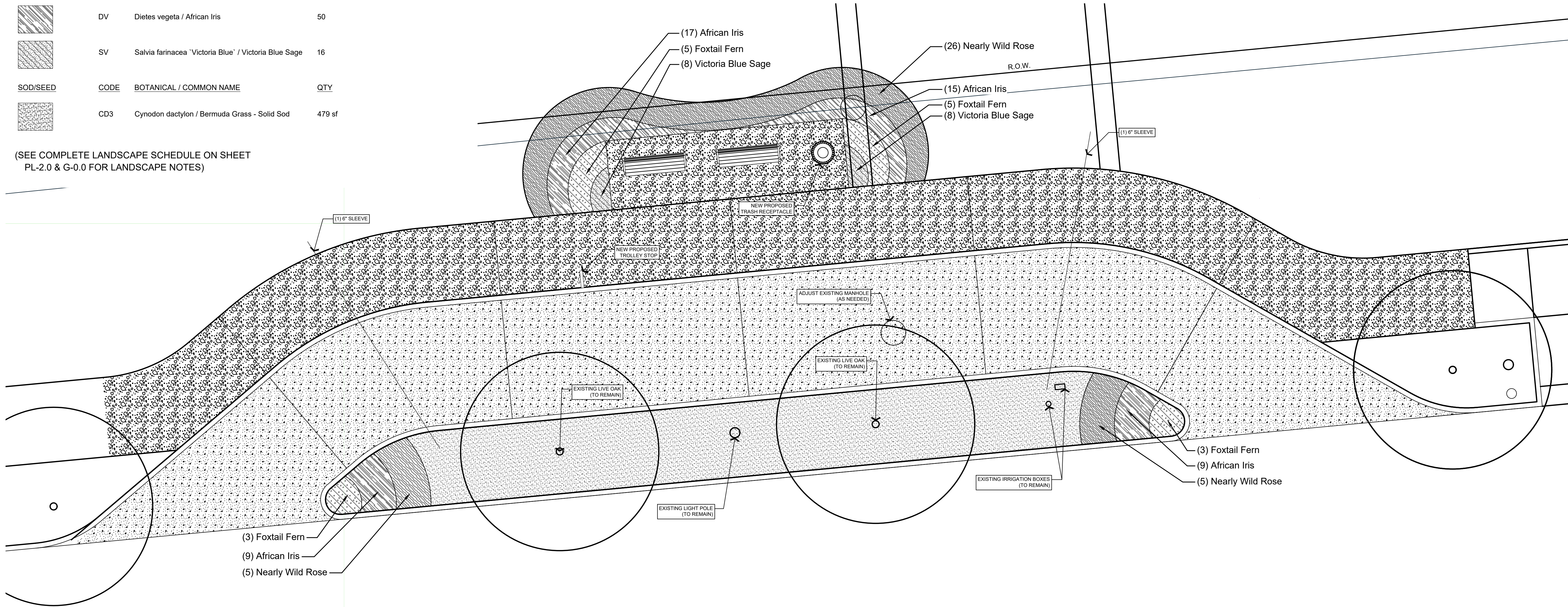
PLANT SCHEDULE MARKET STREET

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	QTY
	R4	Rosa x 'Nearly Wild' / Nearly Wild Rose	36
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	QTY
	AM	Asparagus meyeri / Foxtail Fern	16
	DV	Dietes vegeta / African Iris	50
	SV	Salvia farinacea 'Victoria Blue' / Victoria Blue Sage	16
SOD/SEED	CODE	BOTANICAL / COMMON NAME	QTY
	CD3	Cynodon dactylon / Bermuda Grass - Solid Sod	479 sf

(SEE COMPLETE LANDSCAPE SCHEDULE ON SHEET  
PL-2.0 & G-0.0 FOR LANDSCAPE NOTES)

GENERAL NOTES

1. ALL IRRIGATION TO BE DRIP IRRIGATION FOR BEDS.
2. CONTRACTORS TO NOTIFY LANDSCAPE ARCHITECT OF ANY AND ALL LIMITATIONS REGARDING IRRIGATION PRIOR TO INSTALLATION
3. CONTRACTOR TO VERIFY IRRIGATION TIE-INS TO EXISTING SYSTEMS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
4. CONTRACTOR TO REPAIR ALL DAMAGED SOD & LANDSCAPE AREAS AND RETURN THE SITE TO AN EVENLY LEVELED GROUND WITH POSITIVE DRAINAGE TOWARD THE STREET



Key Map

**THE WOODLANDS  
TROLLEY STOPS**

**HARDSCAPE & LANDSCAPE  
DRAWINGS**

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID

0 2' 4' 8ft  
Drawing Scale is 3/16" = 1'-0"  
(Original size is 24 x 36")

Drawn BG, AJ  
Checked CP  
1/5/2023

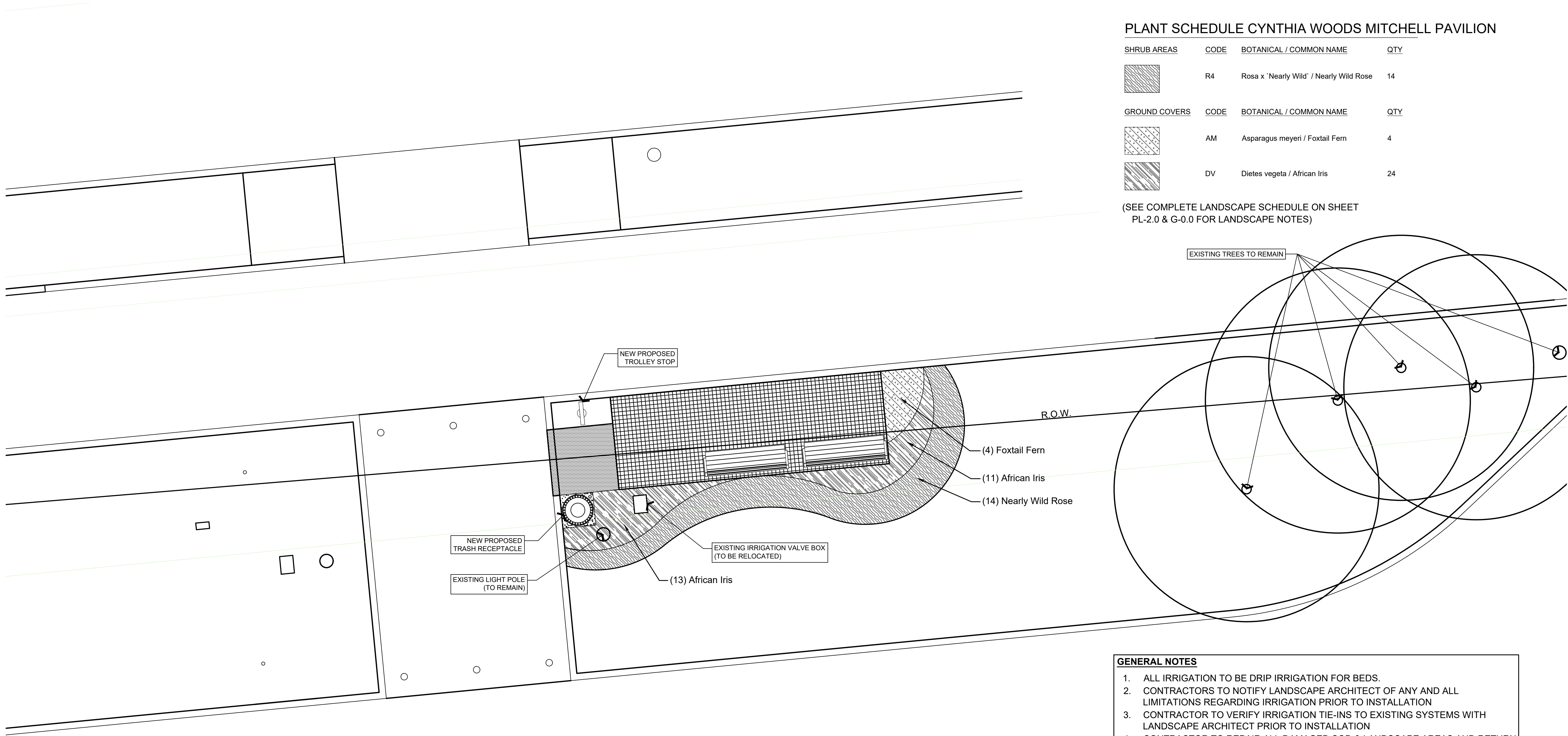
Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
MARKET STREET LANDSCAPING  
PLAN - LOCATION #3

Sheet Number:  
**PL-1.3**





PLANT SCHEDULE CYNTHIA WOODS MITCHELL PAVILION

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	QTY
	R4	Rosa x 'Nearly Wild' / Nearly Wild Rose	14
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	QTY
	AM	Asparagus meyeri / Foxtail Fern	4
	DV	Dietes vegeta / African Iris	24

(SEE COMPLETE LANDSCAPE SCHEDULE ON SHEET PL-2.0 & G-0.0 FOR LANDSCAPE NOTES)

- GENERAL NOTES**
- ALL IRRIGATION TO BE DRIP IRRIGATION FOR BEDS.
  - CONTRACTORS TO NOTIFY LANDSCAPE ARCHITECT OF ANY AND ALL LIMITATIONS REGARDING IRRIGATION PRIOR TO INSTALLATION
  - CONTRACTOR TO VERIFY IRRIGATION TIE-INS TO EXISTING SYSTEMS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
  - CONTRACTOR TO REPAIR ALL DAMAGED SOD & LANDSCAPE AREAS AND RETURN THE SITE TO AN EVENLY LEVELED GROUND WITH POSITIVE DRAINAGE TOWARD THE STREET

Key Map

**THE WOODLANDS TROLLEY STOPS**

**HARDSCAPE & LANDSCAPE DRAWINGS**

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID

0 2' 4' 8ft  
Drawing Scale is 1/4" = 1'-0"  
(Original size is 24 x 36")

Drawn BG, AJ  
Checked CP  
1/5/2023

Project #: 0473-21001  
ISSUE FOR BID  
Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
CYNTHIA WOODS MITCHELL PAVILION  
LANDSCAPING PLAN - LOCATION #4

Sheet Number:  
**PL-1.4**





**Planning & Landscape Architecture**

Sustainable Design  
Community Planning  
Urban Design  
Landscape Architecture

**LJA Engineering, Inc.**  
3600 W Sam Houston Pkwy  
Suite 600  
Houston, Texas 77042-3703  
713.953.5200 • f 713.953.5026  
PRN-F-1386

Key Map

# THE WOODLANDS TROLLEY STOPS


## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
01/05/23	ISSUE FOR BID

DrawnBG, AJ

CheckedCP



Project #: 0473-21001

ISSUE FOR BID

Date: JANUARY 5, 2023

Revision	Date	Remarks

Sheet Title:  
PLANTING SCHEDULE

Sheet Number:  
**PL-2.0**


PLANT SCHEDULE SCOPE AREA							
SHRUB AREAS	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	QTY	REMARKS
R4	Rosa x 'Nearly Wild' / Nearly Wild Rose	3 gal	24"	24"	30" o.c.	83	full pot, container grown
GROUND COVERS	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	QTY	REMARKS
AM	Asparagus meyeri / Foxtail Fern	3 gal	12"	12"	24" o.c.	30	
DV	Dietes vegeta / African Iris	3 gal	24"	12"	18" o.c.	143	full pot, container grown
SV	Salvia farinacea 'Victoria Blue' / Victoria Blue Sage	4"pot	6"	6"	12" o.c.	32	
SOD/SEED	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING	QTY	REMARKS
CD3	Cynodon dactylon / Bermuda Grass - Solid Sod	sod				479 sf	Viable, dense, strongly rooted, free of weeds and undesirable grasses



## HARDSCAPE & LANDSCAPE DRAWINGS

THE WOODLANDS,  
MONTGOMERY COUNTY, TEXAS

DATE	ISSUE
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Drawn	BG, AJ	
Checked	CP	

Project #: 0473-21001

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Date: JANUARY 5, 2023

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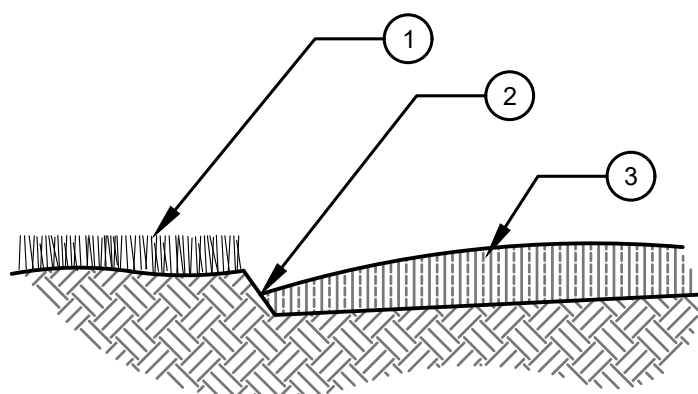
Sheet Title:

PROPOSED TROLLEY STOP  
LANDSCAPE DETAILS

Sheet Number

Sheet Number

**PL-2.1**



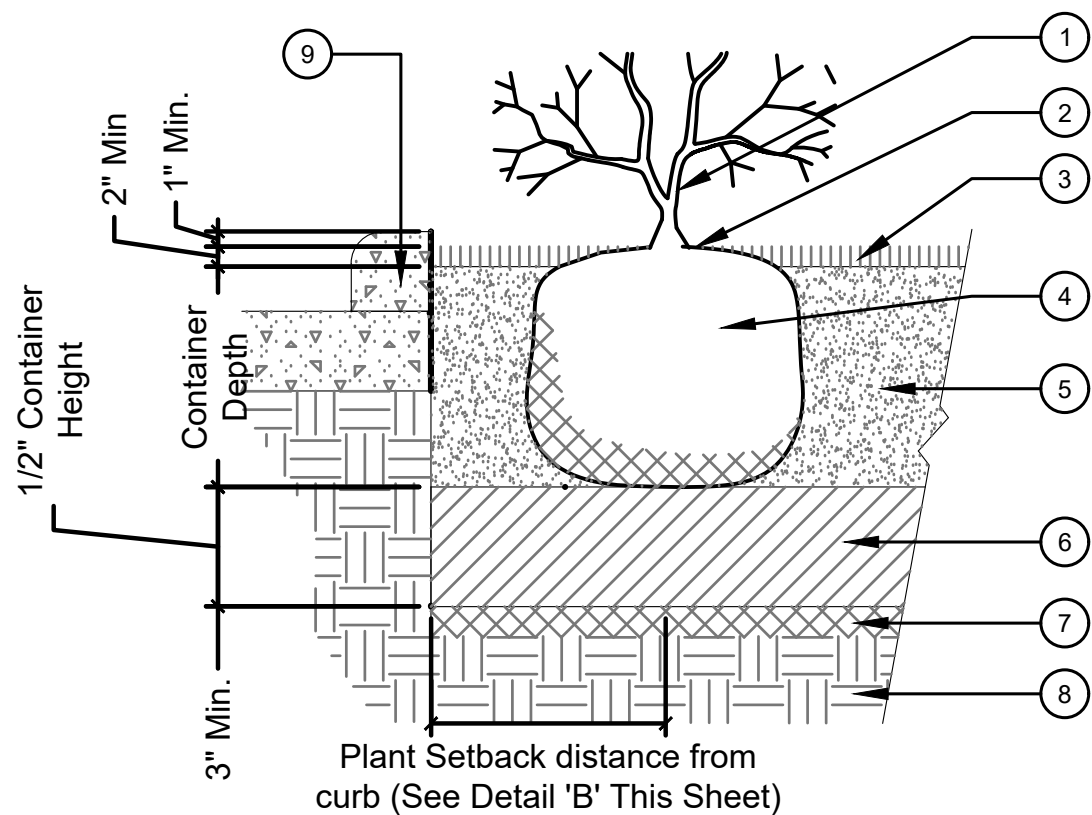
### DETAIL CALLOUT LEGEND

1. Lawn
2. Shovel cut bed edge
3. Prepared bed

**NOTE:**

Contractor shall edge at all shrub  
beds adjacent to turf, unless  
otherwise noted on plans.

D Shovel Cut Edging Detail  
Scale: NTS

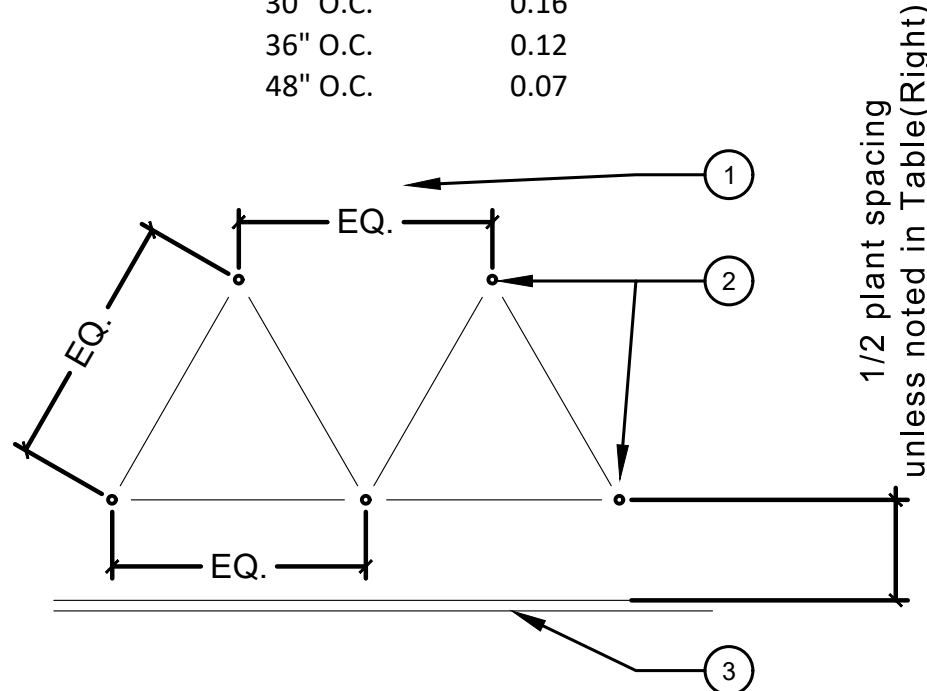


### DETAIL CALLOUT LEGEND

1. Plant
2. Top of rootball to be flush with grade
3. 2" Shredded hardwood mulch
4. Rootball
5. Planting mix per soils analysis
6. Compacted prepared planting mix with parent material
7. 3" Scarification layer
8. Undisturbed soil
9. Concrete curb or sidewalk (If Applicable)

C Shrub/Groundcover Planting Detail  
Scale: NTS

Spacing	Plants required per sq./ft.
6" O.C.	4.61
8" O.C.	2.60
9" O.C.	1.78
10" O.C.	1.66
12" O.C.	1.15
18" O.C.	0.44
24" O.C.	0.28
30" O.C.	0.16
36" O.C.	0.12
48" O.C.	0.07



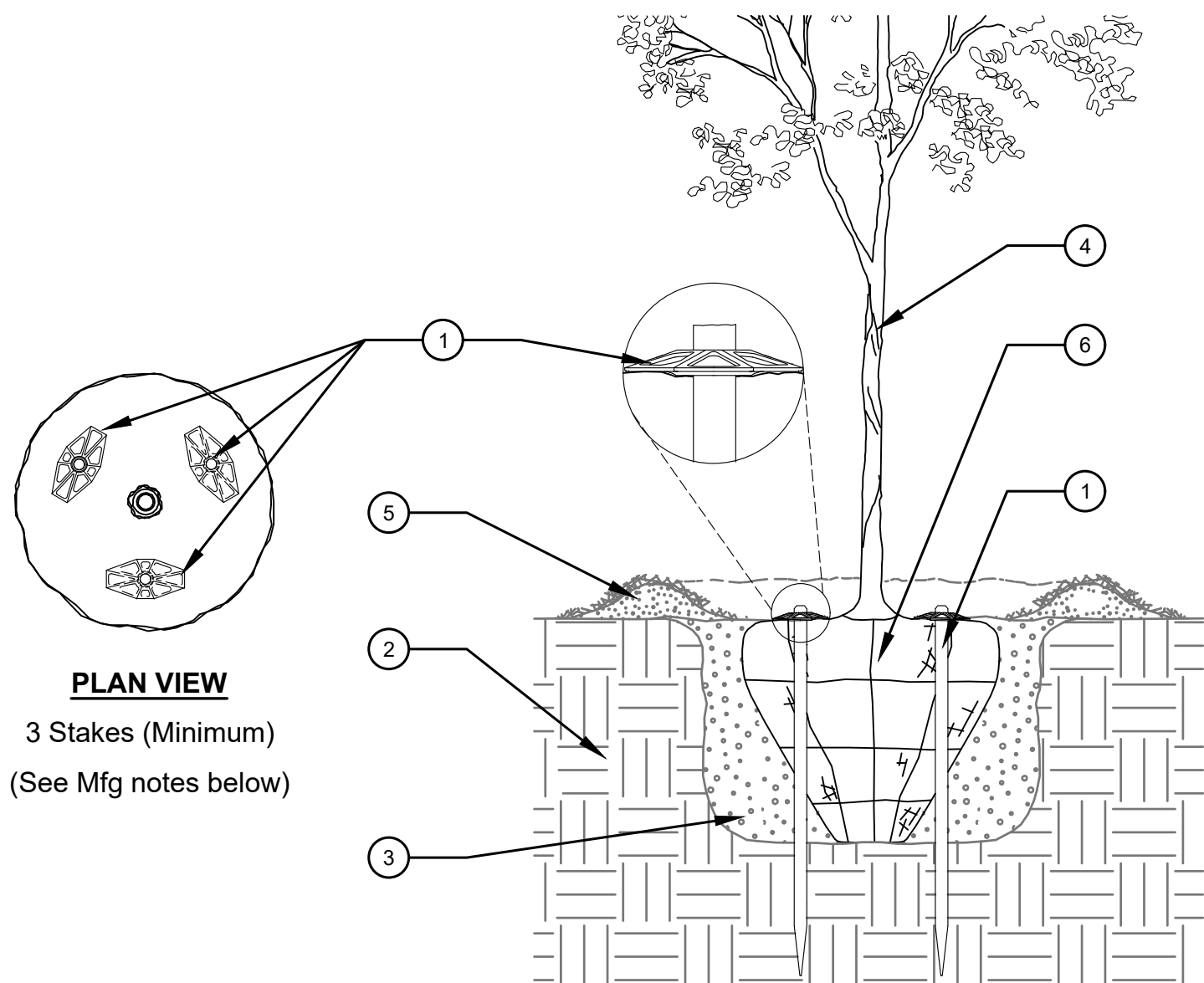
### DETAIL CALLOUT LEGEND

1. Spacing as noted
2. Typical plant location
3. Edge of planting (Steel edging, curb, walls...etc) as defined on plan see detail f, this sheet for steel edge planting section

**NOTE:**

Contractor shall use this spacing chart to determine total quantities of shrubs and groundcover. contractor shall round total up to nearest whole plant. the contractor shall be responsible for providing all plantings necessary to fill all planting areas shown on the plans, based upon plant spaces provided by the spacing diagram and chart. any quantities given by the owner or landscape architect, or determined by the contractor shall be for reference only, the contractor shall be responsible for all costs associated with underestimates.

B Shrub/Groundcover Spacing  
Scale: NTS



### SECTION VIEW

### DETAIL CALLOUT LEGEND

1. Biodegradable lock by ArborStake™  
(Quantity based on caliper size) See  
Mfg notes below
2. Undisturbed soil
3. Backfill (As Specified)
4. 45 gal / 3" caliper and smaller
5. Water-well /sauce
6. Tree / Rootball (As Specified)

**MANUFACTURERS NOTES:**

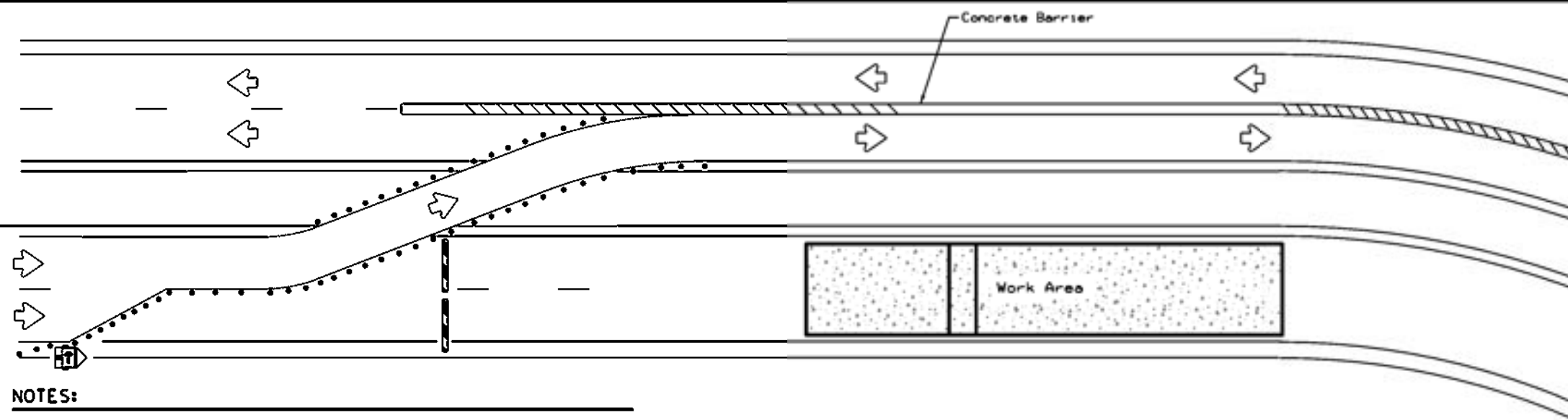
1. Minimum stake quantity is (3) - then - add (1) stake per caliper inch greater - than 3"
2. Stakes shall be driven through the root ball as shown
3. Ensure trunk base (root flare) is free from staking and other materials
4. Above ground guying and/or metallic staking systems not allowed and shall be rejected
5. Install staking system as per manufacturer's instructions

A ArborStake Detail  
Scale: NTS



DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:  
FILE:



#### NOTES:

1. Length of Safety Glare screen will be specified elsewhere in the plans.
2. The cumulative nominal length of the modular safety glare screen units shall equal the length of the individual sections of temporary concrete traffic barrier on which they are installed so the joint between barrier sections will not be spanned by any one safety glare screen unit.
3. Screen Panel/blades will be designed such that reflective sheeting conforming with Departmental Material Specification DMS-8300, Sign Face Materials, Type B or C Yellow, minimum size of 2 inches by 12 inches can be attached to the edge of the panel/blade. The sheeting shall be attached to one glare screen panel/blade per section of concrete barrier not to exceed a spacing of 30 feet. Barrier reflectors are not necessary when panel/blades are installed with reflective sheeting as described.
4. Payment for these devices will be under statewide Special Specification "Modular Glare Screens for Headlight Barrier."
5. This detail is only intended to show types of locations where Glare Screens would be appropriate. Required signing and other devices shall be as shown elsewhere in the plans.

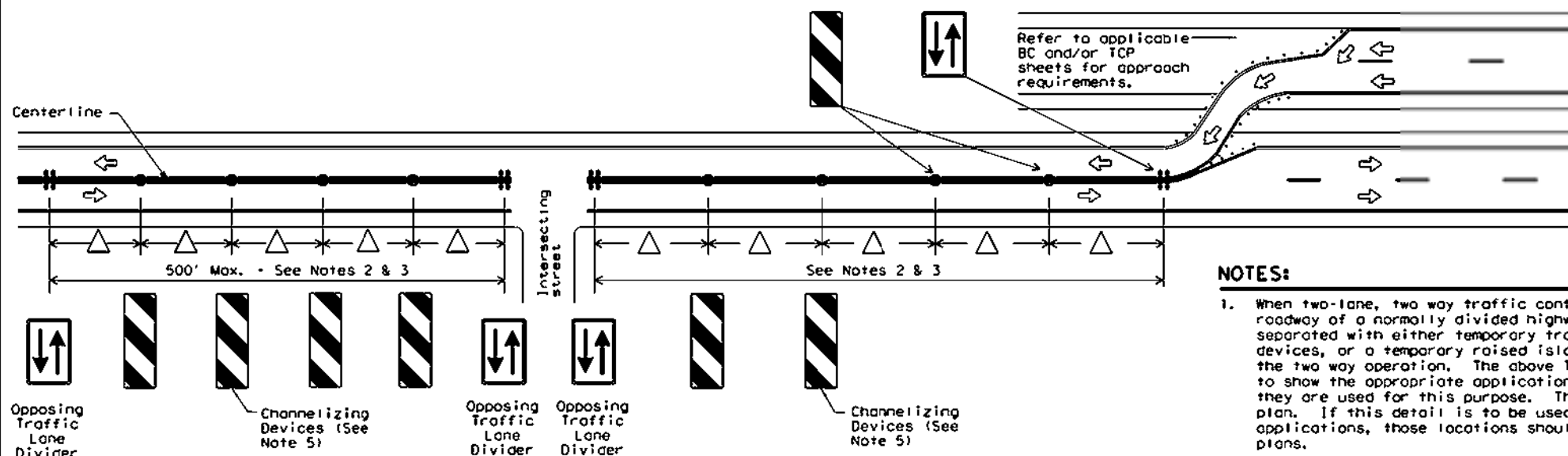
### BARRIER DELINEATION WITH MODULAR GLARE SCREENS

LEGEND	
	Type 3 Barricade
	Channelizing Devices
	Trailer Mounted Flashing Arrow Board
	Sign
	Safety glare screen

DEPARTMENTAL MATERIAL SPECIFICATIONS	
SIGN FACE MATERIALS	DMS-8300
DELINEATORS AND OBJECT MARKERS	DMS-8600
MODULAR GLARE SCREENS FOR HEADLIGHT BARRIER	DMS-8610

Only pre-qualified products shall be used. A copy of the Compliant Work Zone Traffic Control Devices List" CWZTCO describes pre-qualified products and their sources and may be found at the following web address:

<http://www.txdot.gov/business/resources/producer-list.html>



#### NOTES:

1. When two-lane, two way traffic control must be maintained on one roadway of a normally divided highway, opposing traffic shall be separated with either temporary traffic barriers, channelizing devices, or a temporary raised island throughout the length of the two way operation. The above Typical Application is intended to show the appropriate application of channelizing devices when they are used for this purpose. This is not a traffic control plan. If this detail is to be used for other types of roads or applications, those locations should be stated elsewhere in the plans.
2. Space devices according to the Tangent Spacing shown on the Device Spacing table on BC(19) but not exceeding 100'.
3. Every fifth device should be an OTLD except when spaced closer to accommodate an intersection. An OTLD should be the first device on each side of intersecting streets or roads.
4. Locations where surface mount bases with adhesives or self-righting devices will be required in order to maintain them in their proper position should be noted elsewhere in the plans.
5. Channelizing devices are to be vertical panels, 42" cones or tubular markers that are at least 36" tall. Tubular markers used to separate traffic should have a rubber base weighing at least 30 pounds. Tubular markers that are 42" tall or more shall have four bands of reflective material as detailed for 42" cones on BC(10). Tubular markers less than 42" but at least 36" tall shall have three bands of 3" wide white reflective material spaced 2" apart. Reflective material shall meet DMS-8300, Type A.

### VERTICAL PANELS & OPPOSING TRAFFIC LANE DIVIDERS (OTLD) SEPARATING TWO-WAY TRAFFIC ON NORMALLY DIVIDED HIGHWAYS

		Traffic Operations Division Standard	
TRAFFIC CONTROL PLAN TYPICAL DETAILS			
WZ(TD)-17			
FILE: WZTD-17.dgn	DATE: 1/1/01	BY: TxDOT	CHK: TxDOT
© TxDOT February 1998	CHG: SECT	JOB: HIGHWAY	
REVISIONS			
4-98 2-17			
3-03			
7-13			
	DIST:	COUNTY:	SHEET NO.