

SHEET INDEX

SHEET	DESCRIPTION
LD1	KEY SHEET
C1	EXISTING CONDITIONS / DEMOLITION PLAN
C2	EXISTING CONDITIONS / DEMOLITION PLAN
C3	EXISTING CONDITIONS / DEMOLITION PLAN
C4	DRAINAGE PLAN
C5	DRAINAGE PLAN
C6	DRAINAGE PLAN
C7	DRAINAGE DETAILS
LD2	LAYOUT PLAN
LD3	LAYOUT PLAN
LD4	LAYOUT PLAN
LD5	SITE PLAN
LD6	SITE PLAN
LD7	SITE PLAN
LD8	DETAILS
LD9	DETAILS
LD10	DETAILS
LD11	FDOT COMPLIANCE PLANS
LD12	FDOT COMPLIANCE PLANS
LD13	IRRIGATION PLAN
LD14	IRRIGATION PLAN
LD15	IRRIGATION DETAILS
LD16	GENERAL NOTES

Garden & Jefferson

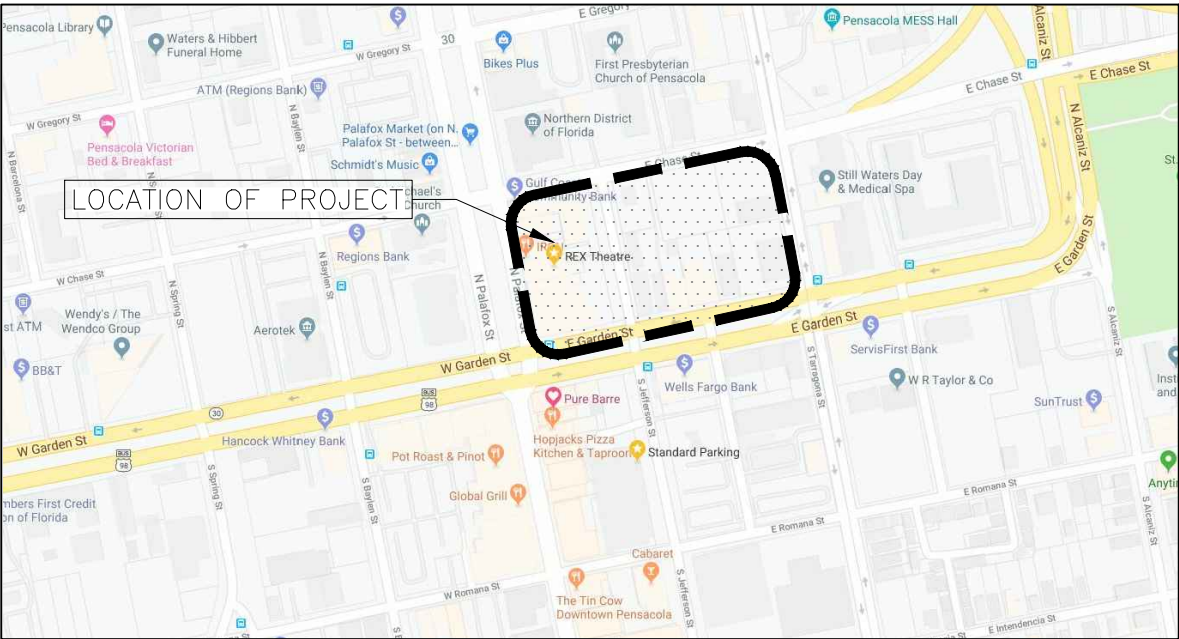
Project Location

36–118 E Garden Street,
Pensacola, Florida 32502



ABBREVIATION:	
1/4"	DENOTES LINE SHOWN NOT TO SCALE
BOC	DENOTES BACK OF CURB
BFE	DENOTES BASE FLOOD ELEVATION
BUS	DENOTES ECAT BUS STOP SIGN
(C)	DENOTES CALCULATED PER DEED
CPO	DENOTES CUSTOMER PARKING ONLY SIGN
(D)	DENOTES DEED INFORMATION
DIA	DENOTES DIAMETER
ECUA	DENOTES EMERALD COAST UTILITIES AUTHORITY
EOP	DENOTES EDGE OF PAVEMENT
(F)	DENOTES FIELD INFORMATION
FDOT	DENOTES FLORIDA DEPARTMENT OF TRANSPORTATION
FIRM	DENOTES FLOOD INSURANCE RATE MAP
GAS	DENOTES CAUTION BURIED GAS LINE SIGN
HCP	DENOTES HANDICAPPED PARKING SIGN
I-110	DENOTES INTERSTATE I-110 SIGN
LSA	DENOTES LANDSCAPING AREA
LZ	DENOTES LOADING ZONE SIGN
#MPH	DENOTES SPEED LIMIT SIGN (SPEED INDICATED)
NO.	DENOTES NUMBER
NP	DENOTES NO PARKING SIGN
OW>	DENOTES ONE WAY SIGN (ARROW SHOWS DIRECTION)
(P)	DENOTES PLAT INFORMATION
POB	DENOTES POINT OF BEGINNING
PP	DENOTES PRIVATE PARKING SIGN
PSI	DENOTES POUNDS PER SQUARE INCH
ROW	DENOTES RIGHT-OF-WAY
R/W	DENOTES RIGHT-OF-WAY
STOP	DENOTES STOP SIGN
S/W	DENOTES SIDEWALK
TAZ	DENOTES TOW-AWAY ZONE SIGN
TYP.	DENOTES TYPICAL OF
USL	DENOTES UTILITY SPOT LOCATION

- NOTES:
- ALL UTILITIES IN THE FDOT RIGHT OF WAY AND ADJACENT SHALL BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
 - ALL CONCRETE SHALL BE MINIMUM 3,000PSI CONCRETE AT 28 DAYS.
 - ALL PAVERS WITHIN THE FDOT & CITY OF PENSACOLA RIGHT-OF-WAY SHALL HAVE CONCRETE FOOTERS INCLUDED. SEE DETAILS & SPECIFICATIONS.
 - ALL DETECTABLE WARNING SURFACES SHALL BE INSTALLED ACCORDING TO FDOT DESIGN MANUAL (LATEST EDITION) & ADA STANDARDS.
 - ALL LANDSCAPE WHICH FALLS WITHIN THE FDOT LIMITS OF CLEAR SITE TRIANGLE(S) SHALL COMPLY WITH FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN MANUAL (LATEST EDITION) CH. 212 INTERSECTIONS.
 - CONNECT ALL LATERAL IRRIGATION LINES TO AN FDOT COMPLIANT IRRIGATION SYSTEM CONTAINING A WEATHER STATION CAPABLE OF SHUTTING THE SYSTEM OFF IN THE EVENT OF PRECIPITATION IN ACCORDANCE WITH STATE LAWS & REGULATIONS.
 - IRRIGATION CONTROLLER, WEATHER STATION, RAIN SENSOR, MAINLINE & VALVES SHALL NOT BE LOCATED WITHIN THE FDOT RIGHT-OF-WAY.



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GARDEN & JEFFERSON

KEY SHEET

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

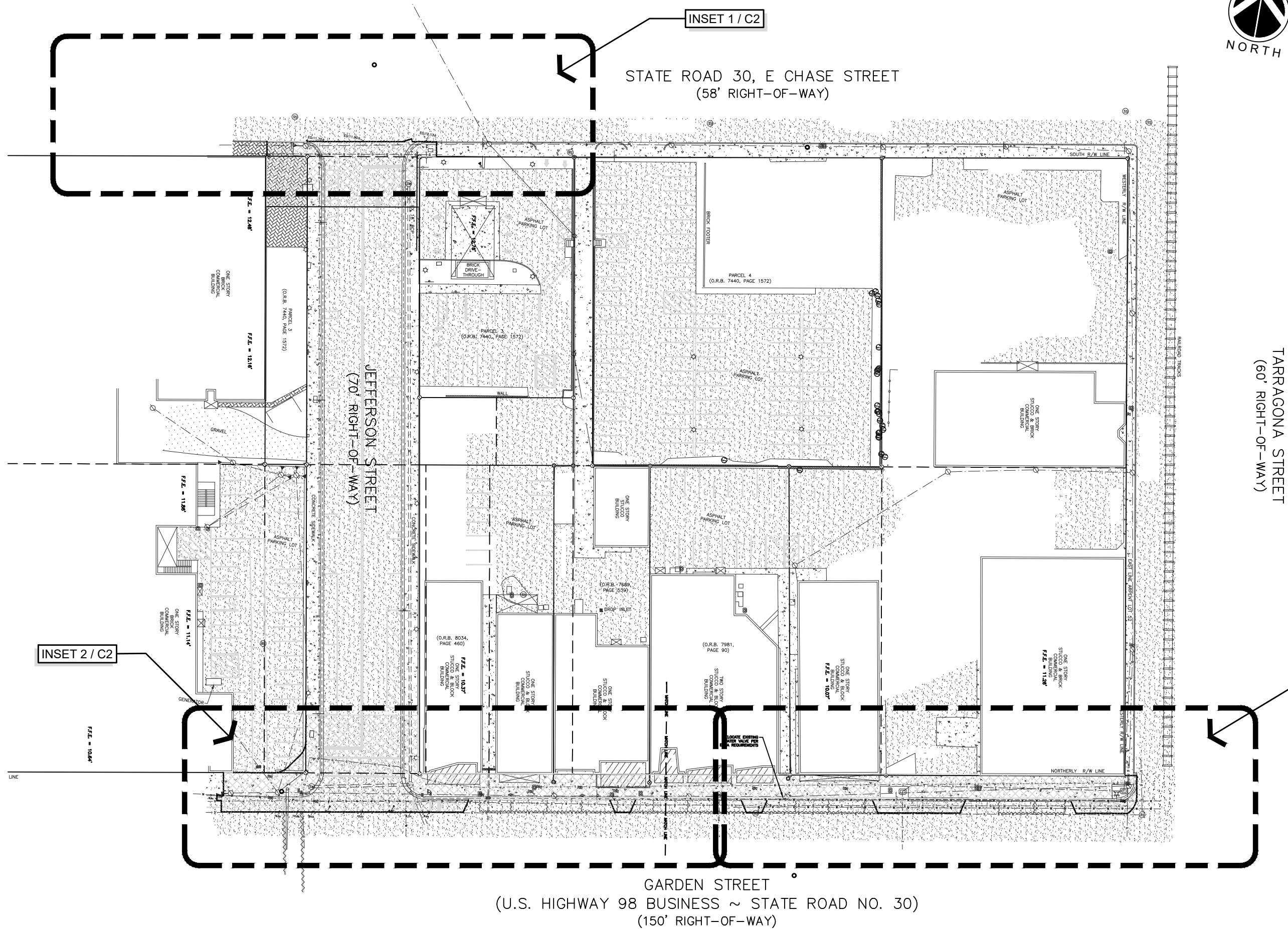
SIGNATURE & SEAL

DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

SHEET LD1 OF LD16



INSET 1 / C2

STATE ROAD 30, E CHASE STREET
(58' RIGHT-OF-WAY)



TARRAGONA STREET
(60' RIGHT-OF-WAY)

INSET 2 / C2

INSET 3 / C3

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GARDEN & JEFFERSON

EXISTING CONDITIONS / DEMOLITION PLAN

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

DATE:

PROJECT
NUMBER 19-007

PLOT
DATE 4/21/20

SHEET C1 OF C7

EXISTING CURB INLET
TOP ELEV.=12.15'
INVERT ELEV.=8.25'
REMOVE INLET TOP
AND CONVERT TO
MANHOLE

EXISTING
STOP/NO LEFT TURN/
ONE WAY SIGN
(TO REMAIN)

EXISTING
STREET NAME SIGN.
(TO REMAIN)

STATE ROAD 30, E CHASE STREET
(58' RIGHT-OF-WAY)

EXISTING
UTILITY POLE
(TO REMAIN)

SS

SAWCUT LINE (TYP)

SW

F.F.



EXISTING UTILITY POLES (TO REMAIN)

SAWCUT LINE (TYP)

EXISTING STREET LIGHT POLE (TO REMAIN)

CONTRACTOR TO HYDROBLAST EXISTING CROSSWALK STRIPING & RESTRIPE ALIGNING WITH PROPOSED CURB RAMP(TYP)

EXISTING CURB INLET
TOP ELEV.=9.83'
INVERT ELEV.=4.73'
(TO BE REMOVED)

EXISTING 18" RCP (TO BE REMOVED)

EXISTING CURB INLET
TOP ELEV.=9.68'
N. INVERT ELEV.=4.33'
W. INVERT ELEV.=4.15'
S. INVERT ELEV.=3.96'
REMOVE INLET TOP
AND CONVERT TO
DROP INLET

EXISTING 24" RCP

CONTRACTOR TO REMOVE EXISTING CURB

EXISTING DROP INLET
TOP ELEV.=9.79'
INVERT ELEV.=8.39'

CONTRACTOR TO REMOVE EXISTING CURB

EXISTING DROP INLET
TOP ELEV.=9.33'
N. INVERT ELEV.=5.63'
S. INVERT ELEV.=5.58'

EXISTING UTILITY POLE
POLE TO BE
REMOVED AND
LINES RELOCATED
UNDERGROUND

EXISTING CURB
& GUTTER
(TO REMAIN)

CONTRACTOR TO CUTOUT ASPHALT
FOR LANDSCAPE
ISLAND (TYP)

CONTRACTOR TO HYDROBLAST EXISTING
PARKING STRIPING (TYP)

GARDEN STREET
(U.S. HIGHWAY 98 BUSINESS ~ STATE ROAD NO. 30)
(150' RIGHT-OF-WAY)

MATCH LINE

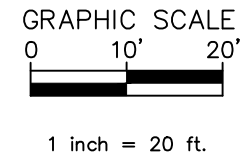
MATCH LINE

MATCH LINE

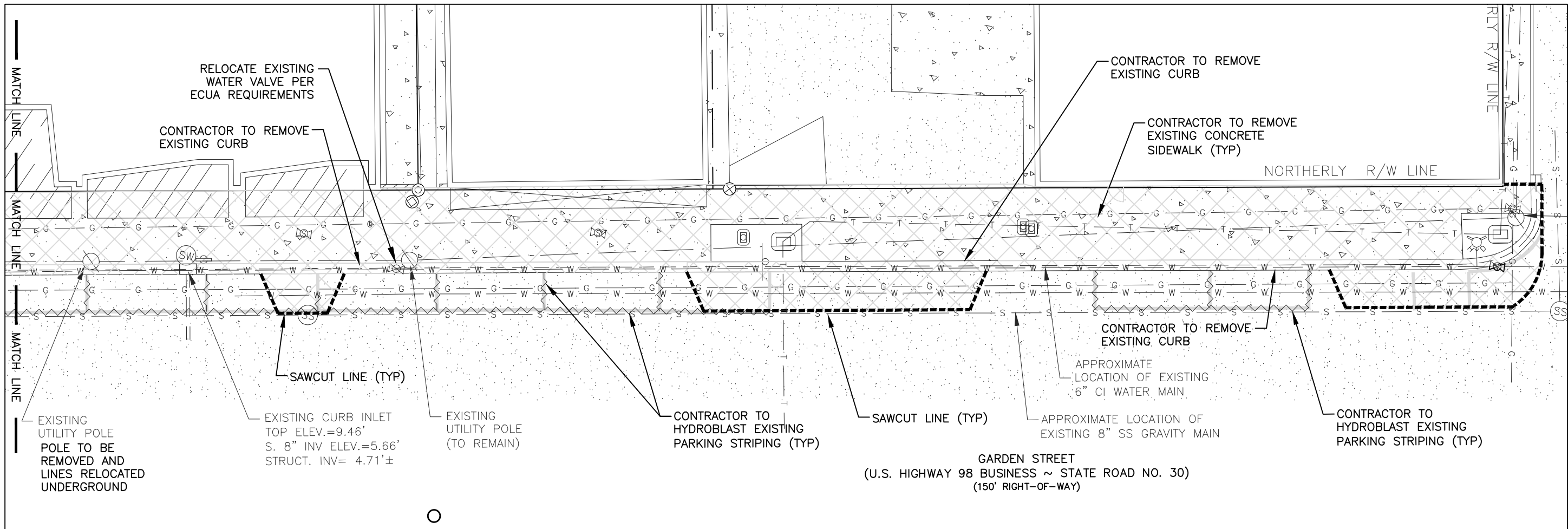
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EXISTING CONDITIONS / DEMOLITION PLAN

SHEET C2 OF C7



INSET 3



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GARDEN & JEFFERSON

EXISTING CONDITIONS / DEMOLITION PLAN

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

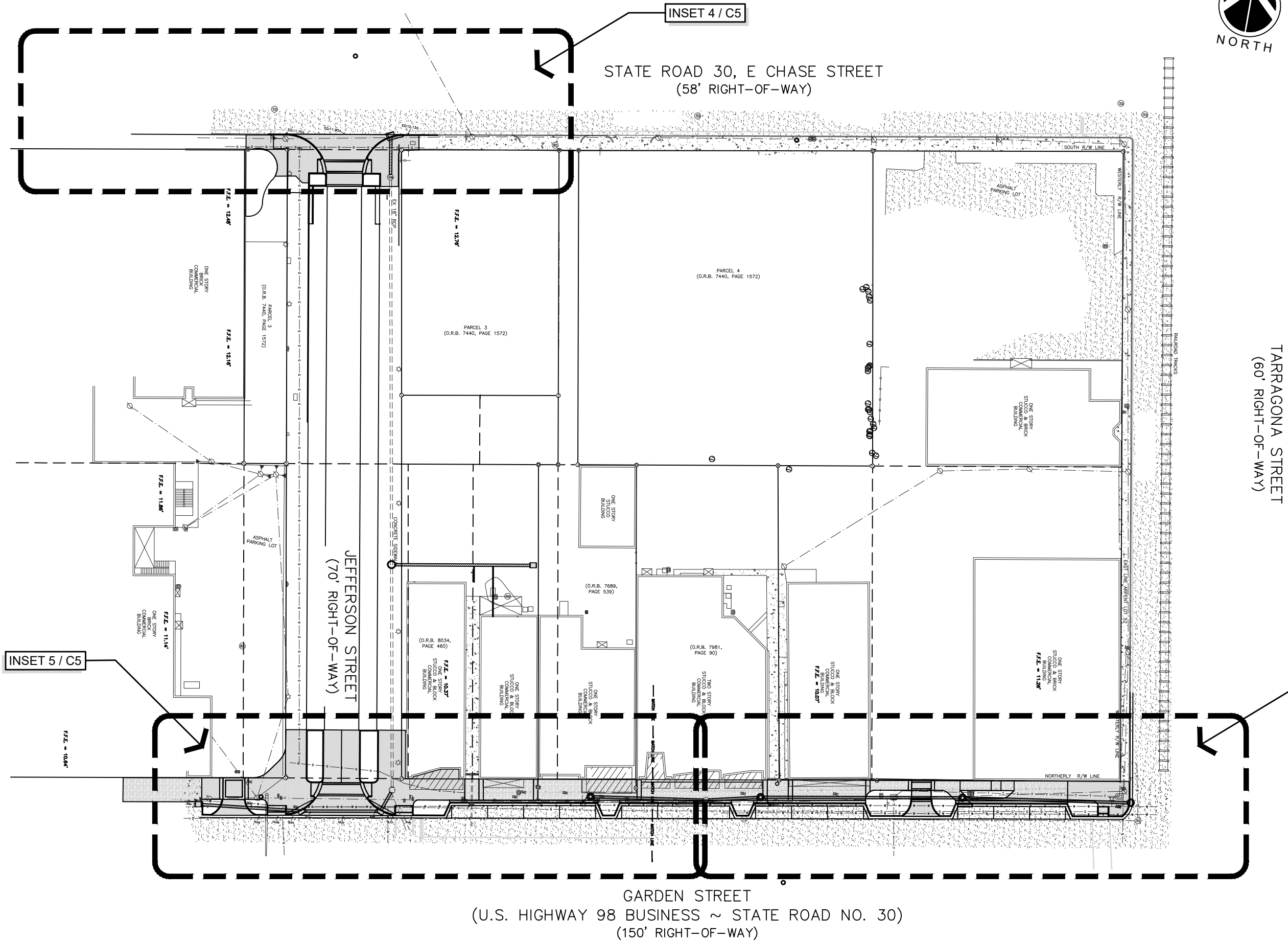
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NUMBER 19-007

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DATE 4/21/20

SHEET C3 OF C7



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GARDEN & JEFFERSON

DRAINAGE PLAN

DRAWN BY:
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DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

DATE:

PROJECT
NUMBER 19-007

PLOT
DATE 4/21/20

SHEET C4 OF C7

INSET 1

SS

PROPOSED
26 LF 18" PEP
@ SL=0.38%

EG: 11.70±
EG: 11.90±
EG: 12.13±

PROPOSED
FDOT TYPE-6
CURB INLET #4
THROAT ELEV: 12.00
S. INV ELEV: 8.35

STATE ROAD 30, E CHASE STREET
(58' RIGHT-OF-WAY)

FLUSH W/ EXISTING
PAVER SIDEWALK

FLUSH W/ EXISTING
CONCRETE SIDEWALK

CONNECT TO EXISTING
STORM STRUCTURE
INV ELEV: 8.25

Elevations:
11.80
11.90
11.60
11.85
11.60
11.57
11.82
11.57

F.F.



GARDEN STREET
(U.S. HIGHWAY 98 BUSINESS ~ STATE ROAD NO. 30)
(150' RIGHT-OF-WAY)

BENCHMARK
SET "X" CUT IN CONCRETE
ELEVATION=9.84'

PROPOSED FDOT TYPE-C DROP INLET #1
TOP ELEV: 9.90
E. INV ELEV: 4.40

PROPOSED 63 LF 18" RCP
@ SL=0.32%

EG: 9.75

EG: 10.05±

EG: 10.05±

EG: 10.25±

EG: 10.06±

EG: 10.04±

EG: 10.07±

EG: 9.77±

EG: 9.64±

EG: 9.55±

EG: 9.33±

PROPOSED FDOT TYPE-6 CURB INLET #2
THROAT ELEV: 9.85
W. & E. INV ELEV: 4.20

PROPOSED 45 LF 18" RCP
@ SL=0.36%

PROPOSED FDOT TYPE-6 CURB INLET #3
THROAT ELEV: 9.75
W. & NE. INV ELEV: 4.10

CONNECT TO EXISTING STORM STRUCTURE
INV ELEV: 4.00

PROPOSED 15 LF 18" PEP
@ SL=0.67%

CONTRACTOR TO INSTALL INLET TOP ON EXISTING STRUCTURE

F.F.E.=10.37'

FLUSH W/ EXISTING GRADE

F.F.E.=10.25'

F.F.E.=9.86'

F.F.E.=9.87'

FLUSH W/ BACK OF CURB

EXISTING DROP INLET
TOP ELEV.=9.33'
N. INVERT ELEV.=5.63'
S. INVERT ELEV.=5.58'

PROPOSED FDOT TYPE-3 CURB INLET #4
THROAT ELEV: 9.04
INV ELEV: 4.75

PROPOSED 71 LF 18" PEP
@ SL=0%

MATCH LINE

10250 NORTH PALAFOX STREET
PENSACOLA, FL 32534
PH: (850)476-8677 FAX: (850)476-7708

DRAINAGE PLAN

SIGNATURE & SEAL

DATE:	
PROJECT NUMBER	19-007
PLOT DATE	4/21/20
SHEET	C5 OF C7



SHEET C6 OF C7

NOTE: SEE FDOT STANDARD PLANS FOR
TYPICAL FDOT DRAINAGE DETAILS

GARDEN & JEFFERSON

DRAINAGE DETAILS

DRAWN BY:
A. BURKETT

DESIGNED BY:
D. FITZPATRICK

SIGNATURE & SEAL

DATE:

PROJECT
NUMBER19-007

PLOT
DATE4/21/20

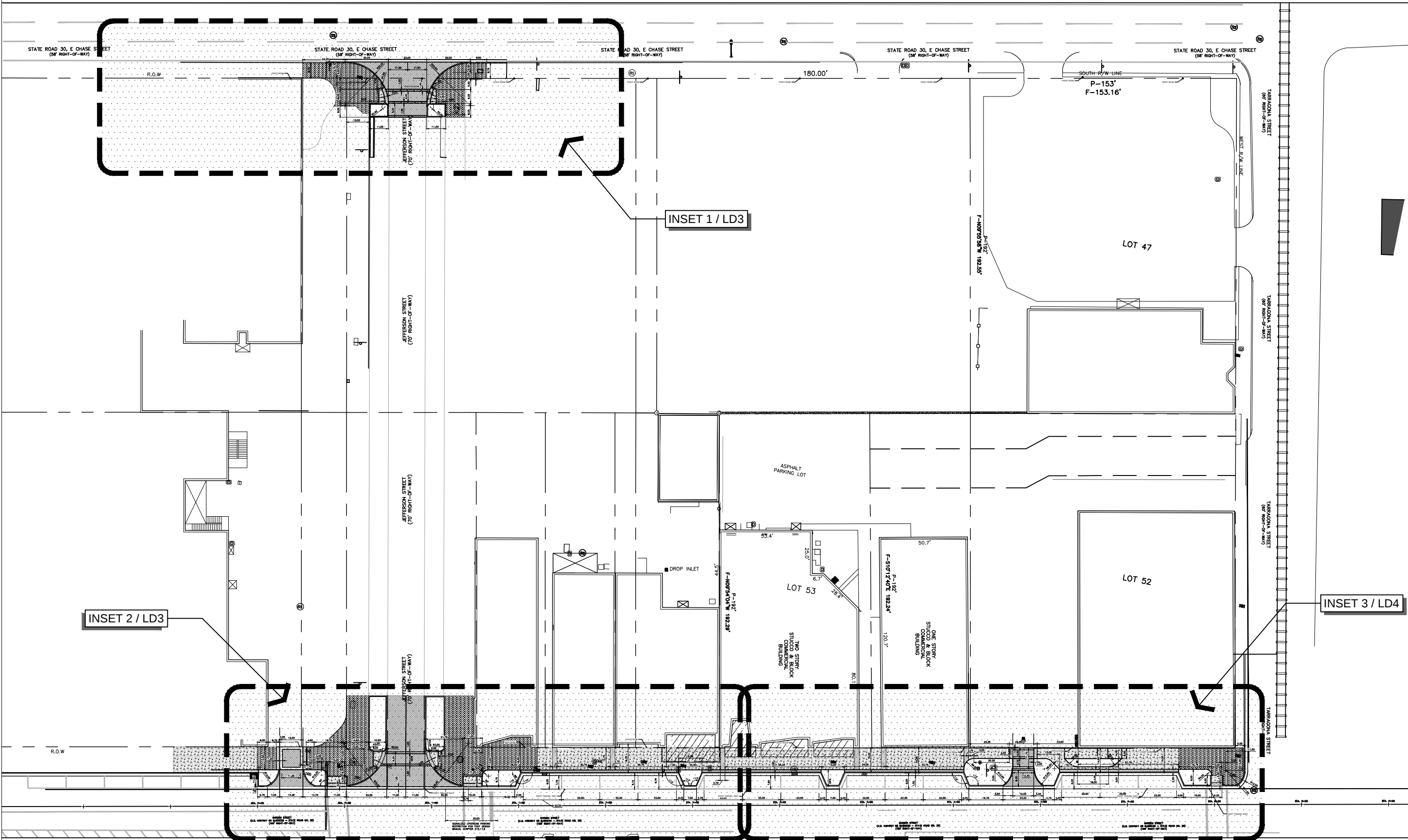
SHEETC7 OF C7

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INSET 1 / LD3

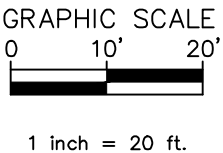
INSET 2 / LD3

INSET 3 / LD4

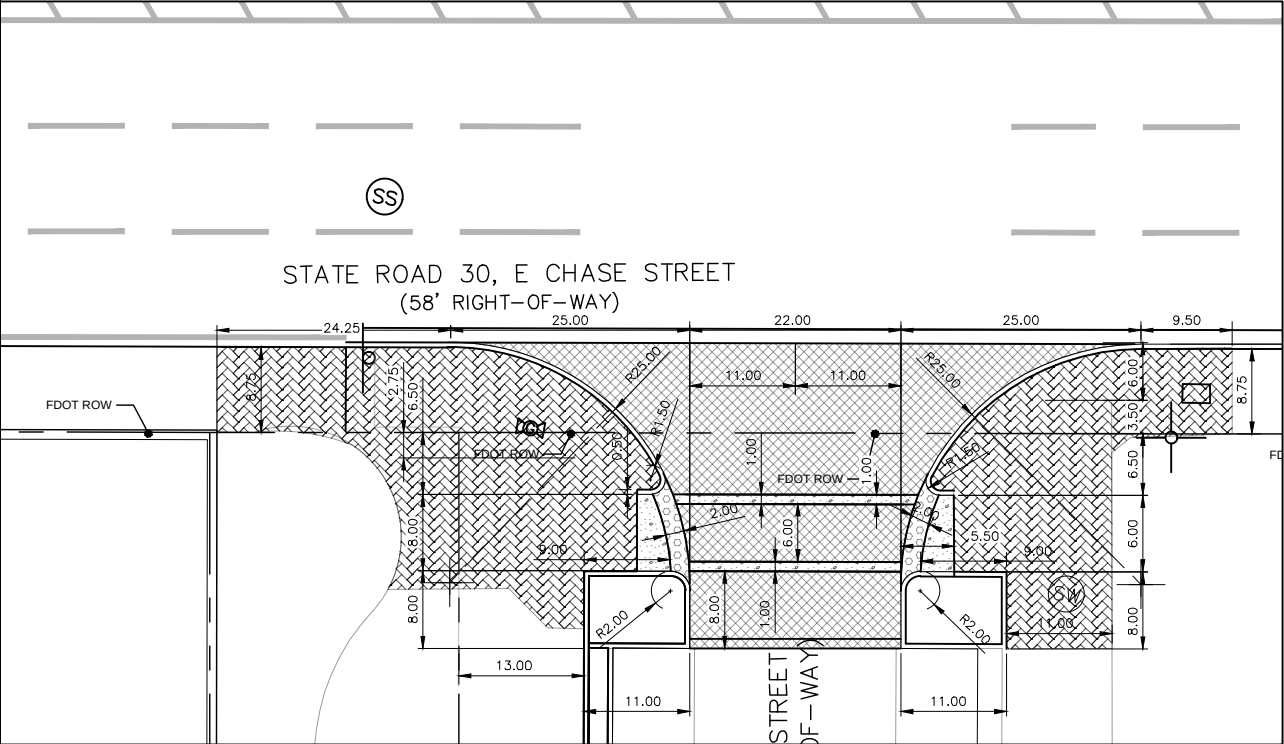
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GARDEN & JEFFERSON
LAYOUT PLAN

DRAWN BY:
E.ZHANG
DESIGNED BY:
B.ALEXANDER
SIGNATURE & SEAL
DATE:
PROJECT NUMBER 19008
PLOT DATE 4/21/2020
SHEET LD2 OF LD16



INSET 1



FDOT DRIVEWAY ANALYSIS:

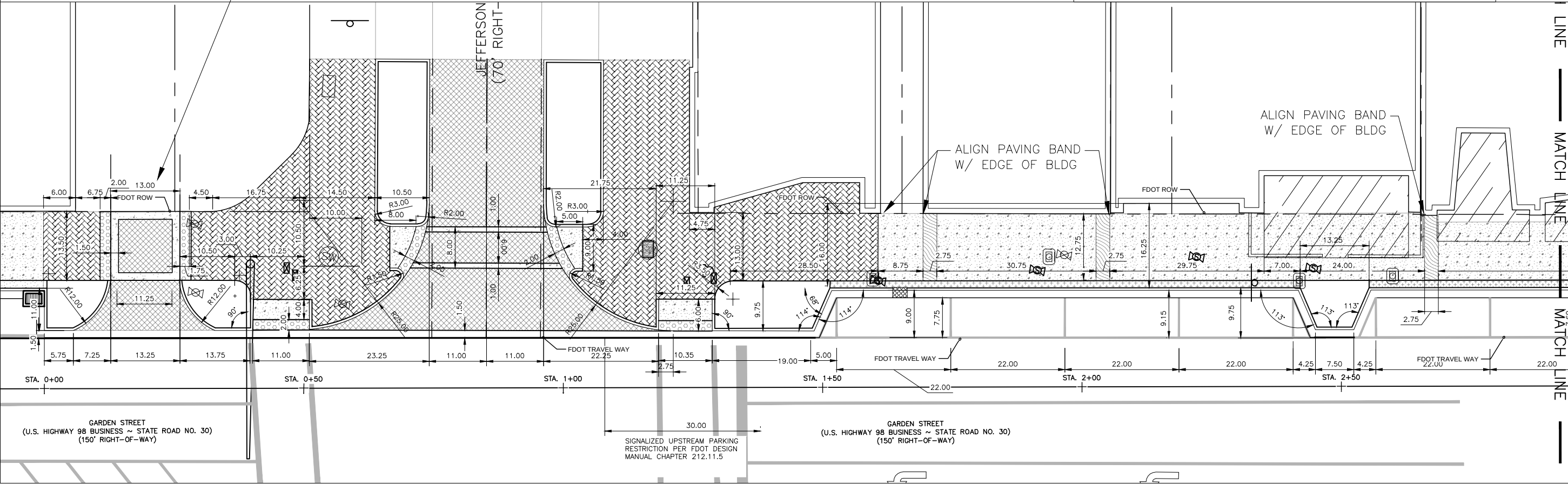
PNJ DRIVEWAY

GARDEN STREET (US HIGHWAY 98 BUSINESS - STATE ROAD NO. 30)

FUNCTIONAL CLASS: 14

- CONNECTION (DRIVEWAY) CATEGORY 'A' AS DEFINED BY 214.1.1 DRIVEWAY TERMINOLOGY
 - CATEGORY 'A'
 - 1-20 TRIPS/DAY OR 1-5 TRIPS/HOUR
- DESIGN & LAYOUT PER 214.2 & TABLE 214.2.1
- DIMENSIONS PER FDM TABLE 214.3.1 DRIVEWAY DIMENSIONS:
 - W = 12' MIN/24' MAX PER FDM 214.3.2
 - R = 12'
 - Y = 90 DEGREES
 - S = N/A
 - G = 12' MIN.
 - C & D = N/A

INSET 2



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GARDEN & JEFFERSON

LAYOUT PLAN

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

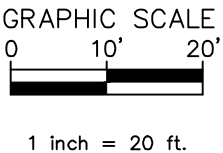
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DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

SHEET LD3 OF LD16



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FDOT DRIVEWAY ANALYSIS:

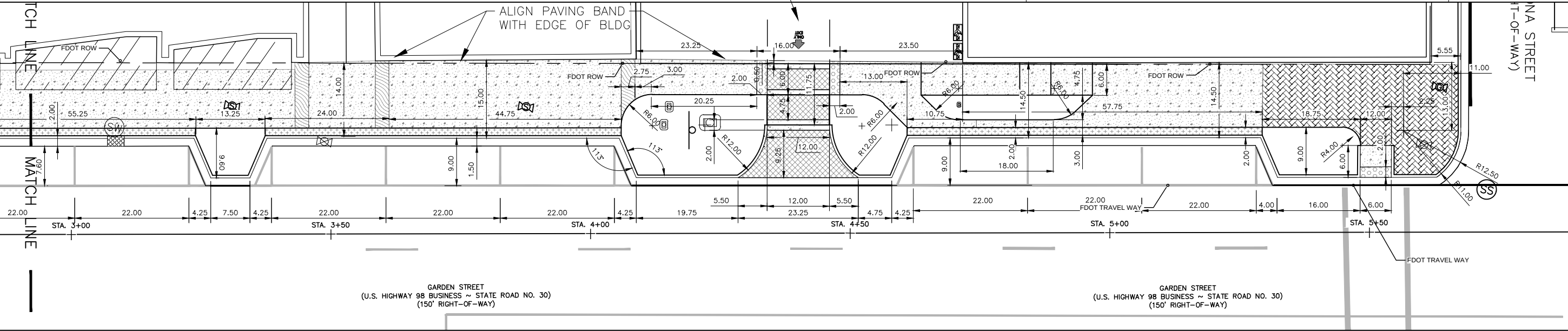
LOT 52 DRIVEWAY

GARDEN STREET (US HIGHWAY 98 BUSINESS - STATE ROAD NO. 30)
FUNCTIONAL CLASS: 14

- CONNECTION (DRIVEWAY) CATEGORY 'A' AS DEFINED BY 214.1.1 DRIVEWAY TERMINOLOGY
- CATEGORY 'A'
- 1-20 TRIPS/DAY OR 1-5 TRIPS/HOUR
- DESIGN & LAYOUT PER 214.2 & TABLE 214.2.1
- DIMENSIONS PER FDM TABLE 214.3.1 DRIVEWAY
- DIMENSIONS:
- W = 12' MIN/24' MAX PER FDM 214.3.2
- R = 12'
- Y = 90 DEGREES
- S = N/A
- G = 12' MIN.
- C & D = N/A

LOT 52 DRIVEWAY. SEE ALAYSIS ABOVE

INSET 3



GARDEN & JEFFERSON

LAYOUT PLAN

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

SIGNATURE & SEAL

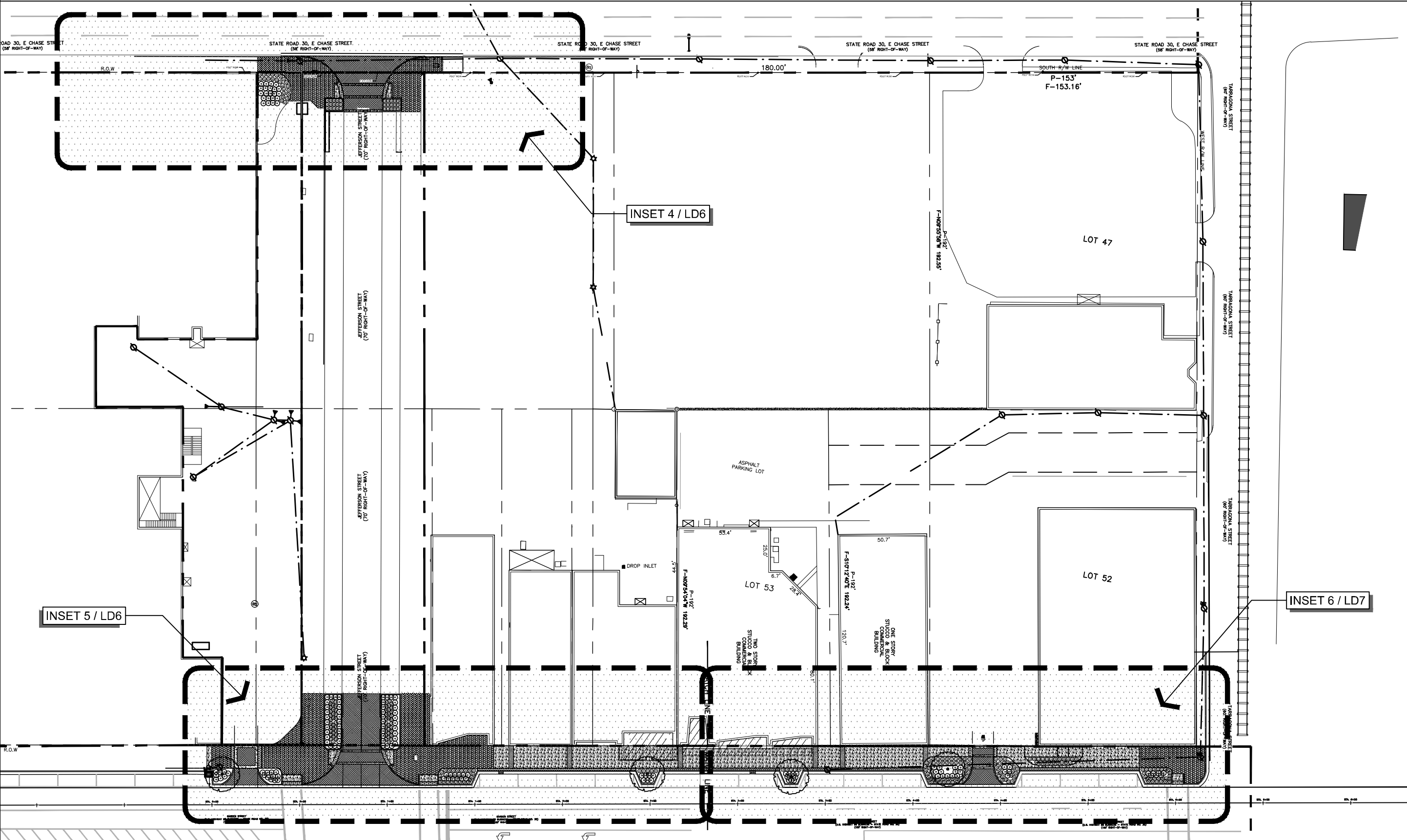
DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

SHEET LD4 OF LD16

NOTE: ALL PAVERS LOCATED WITHIN THE CITY
RIGHT OF WAY & FDOT RIGHT OF WAY SHALL
HAVE A CONCRETE BASE IN ACCORDANCE WITH
CITY STANDARDS & DETAILS.



INSET 4 / LD6

INSET 5 / LD6

INSET 6 / LD7

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GARDEN & JEFFERSON

SITE PLAN

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

SIGNATURE & SEAL

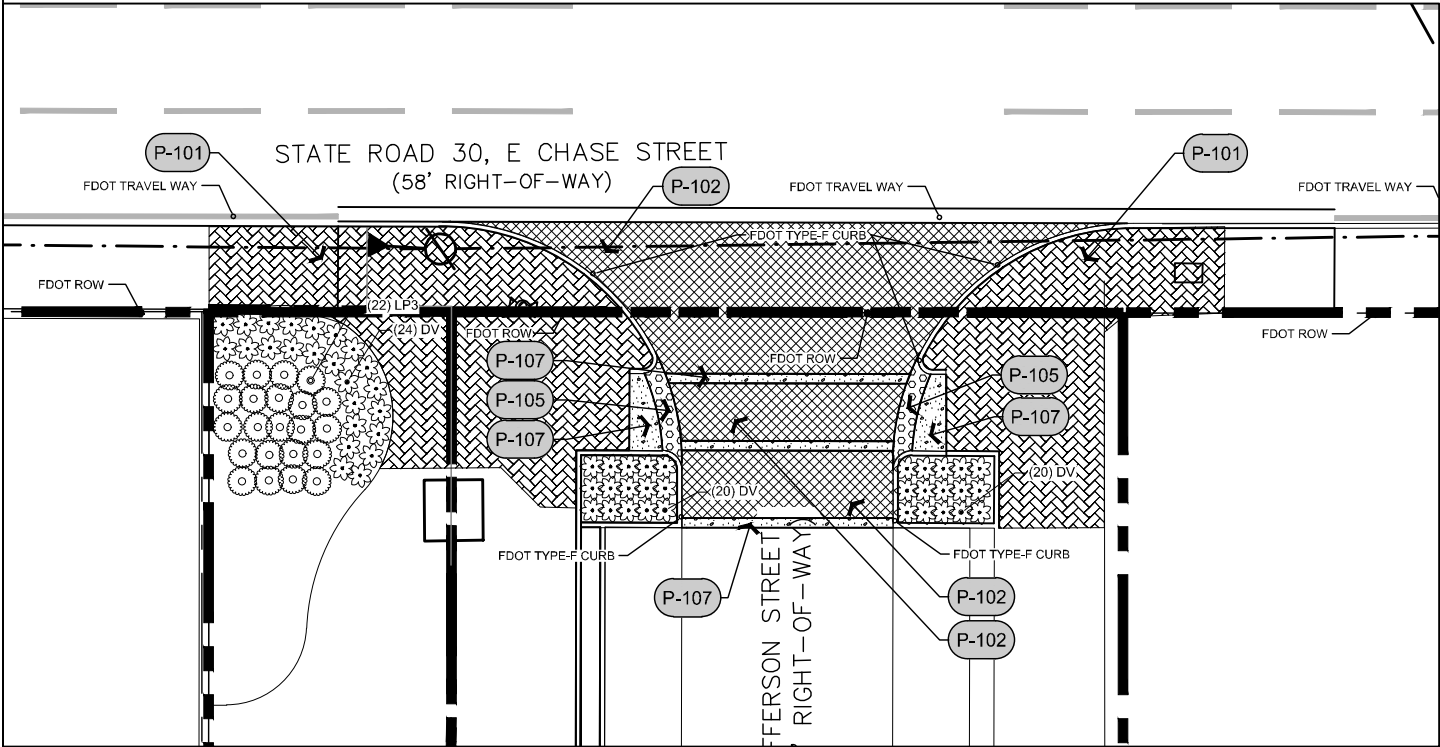
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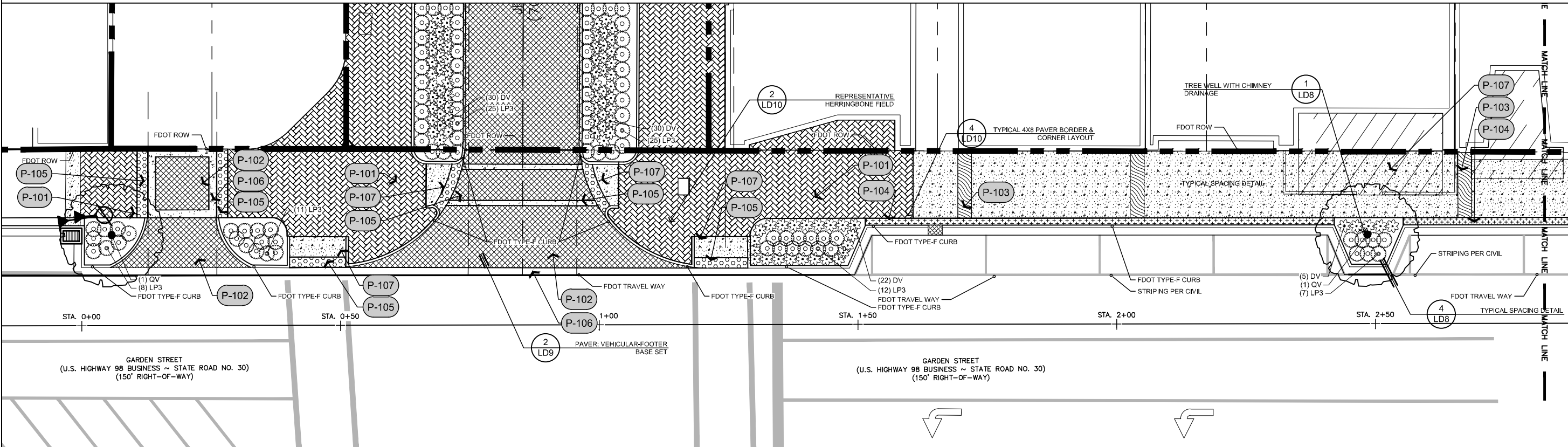
PLOT
DATE 4/21/2020

SHEET LD5 OF LD16

INSET 4



INSET 5



GRAPHIC SCALE
0 10' 20'
1 inch = 20 ft.



NOTE: ALL PAVERS LOCATED WITHIN THE CITY RIGHT OF WAY & FDOT RIGHT OF WAY SHALL HAVE A CONCRETE BASE IN ACCORDANCE WITH CITY STANDARDS & DETAILS.

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GARDEN & JEFFERSON
SITE PLAN

DRAWN BY:
E.ZHANG
DESIGNED BY:
B.ALEXANDER
SIGNATURE & SEAL
DATE:
PROJECT NUMBER 19008
PLOT DATE 4/21/2020
SHEET LD6 OF LD16

PLANT SCHEDULE

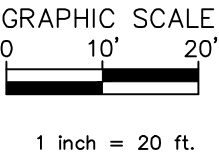
TREES	CODE	QTY	BOTANICAL / COMMON NAME	CAL	DBH	
	QV	4	Quercus virginiana / Southern Live Oak Quercus virginiana or other shade producing canopy tree as approved by The City of Pensacola & appropriate utility authorities. At the time of planting all trees installed within FDOT Sight Triangle shall comply with FDOT Design Manual Chapter 212.	FG	6" DBH	
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPEC	SPACING
	DV	267	Daniellia tasmanica 'Variegata' / Varigated Flax Lily	1 gal		30" o.c.
	LP3	144	Loropetalum chinense 'Purple Pixie' / Purple Pixie Loropetalum	3 gal		36" o.c.

NOTE: ALL TREES WITHIN THE FDOT SIGHT TRIANGLE LIMITS OF CLEAR SIGHT SHALL CONFORM TO FDOT DESIGN MANUAL CH 212.11.2.

REFERENCE NOTES SCHEDULE

	Unit Paving		
CODE	DESCRIPTION	QTY	DETAIL
P-101	PAVER TYPE 1 - 4X8 Pedestrian Paver - See Materials List & Details. PATTERN: 4X8 Herringbone - Aligned w/ Garden St./Jefferson St.	4,664 sf	1/LD9
P-102	PAVER TYPE 2 - 4X8 Vehicular Paver - See Materials List & Details- PATTERN: Herringbone - Aligned w/ Garden St./Jefferson St.	2,787 sf	2/LD9
P-103	PAVER TYPE 4 - 4X8 Pedestrian Paver - See Materials List & Details PATTERN: (4) FOUR Rows of Running Bond	194 sf	5/LD10
P-104	PAVER TYPE 5 - 6X6 Belgard Cambridge Cobble - Pedestrian Paver - See Materials List & Details. PATTERN: (3) Three Rows Stacked Bond.	423 sf	1/LD10
P-105	ADA Truncated Dome Pad per FDOT Design Manual	213 sf	/
P-106	CON. TYPE 1 - Proposed Vehicular Concrete. See Details.	172 sf	
P-107	CON. TYPE 2 - Proposed Pedestrian Concrete. See Details.	4,171 sf	

NOTE: ALL PAVERS LOCATED WITHIN THE CITY RIGHT OF WAY & FDOT RIGHT OF WAY SHALL HAVE A CONCRETE BASE IN ACCORDANCE WITH CITY STANDARDS & DETAILS.



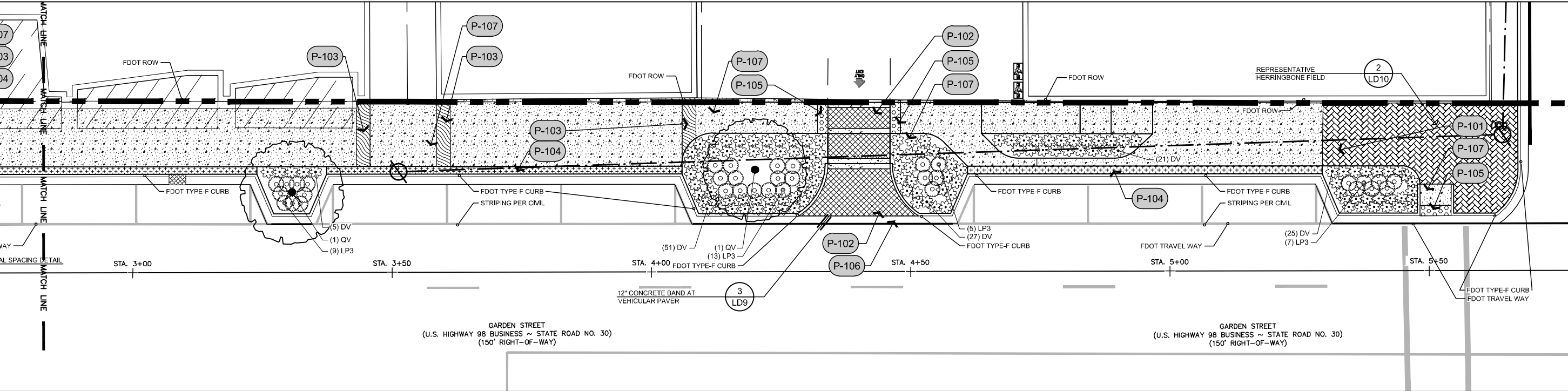
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GARDEN & JEFFERSON

SITE PLAN

INSET 6



DRAWN BY:
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DESIGNED BY:
B.ALEXANDER

SIGNATURE & SEAL

DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

SHEET LD7 OF LD16

DRAWN BY:
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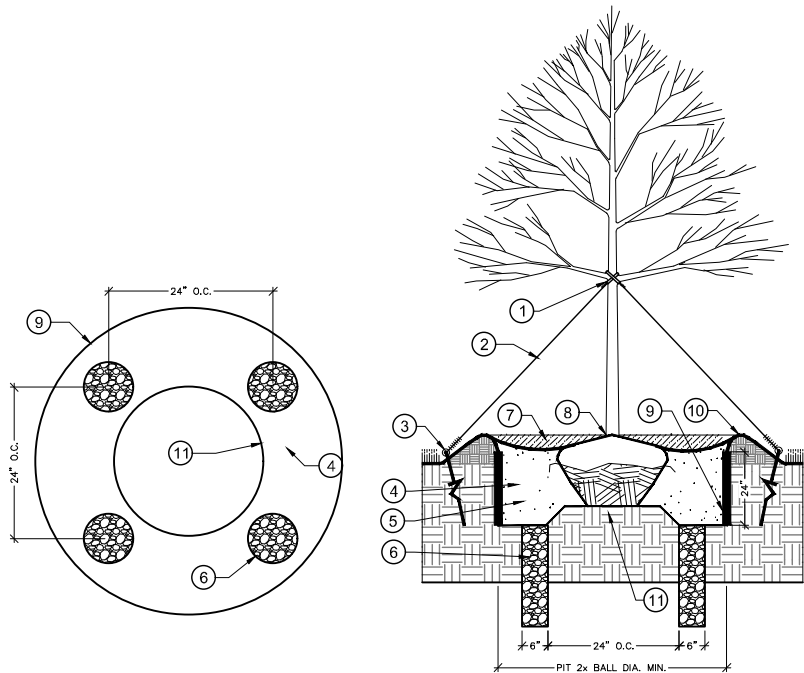
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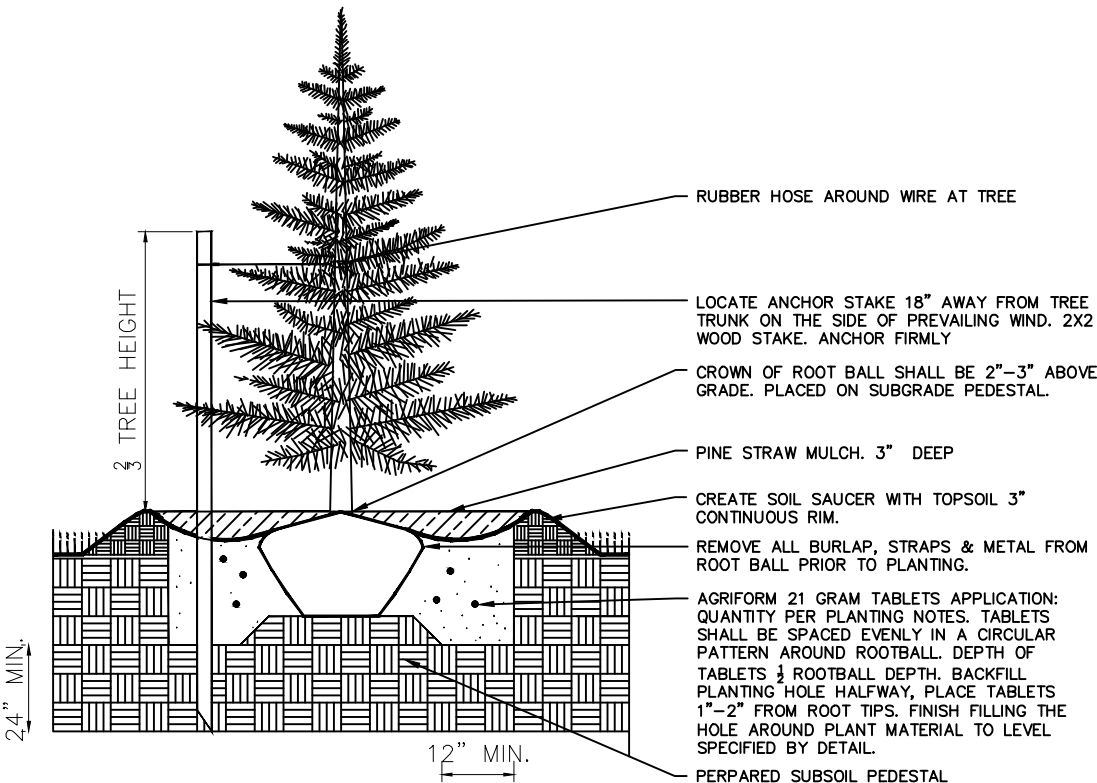
SHEET LD8 OF LD16



- ARBORTIE GREEN STRAPS KNOTTED PER MANF. SPEC.
- FABRIC STRAPS. WIRE WILL NOT BE ACCEPTED UNLESS OTHERWISE NOTED.
- ARBORTIE HD15 HEAVY DUTY ANCHORING KIT INSTALLED PER MANF. SPEC.
- SPECIFIED PLANTING MIX. WATER AND TAMP TO REMOVE AIR POCKETS AND PREVENT SETTLING.
- PLANTING TABLETS
- TREE CHIMNEY. AGGREGATE FILLED WITH 3/8" PEA GRAVEL 12" BELOW IMPERMEABLE STRATA. MIN. 6" DIAM. CHIMNEY. SPACED 24" O.C. CONTRACTOR TO PRICE FOR CHIMNEY AS UNIT PRICE. ADD ALTERNATIVE IF NEEDED PER FIELD CONDITIONS.
- MULCH
- ROOT BALL CROWN SHALL BE 2"-3" ABOVE FINISHED GRADE.
- ROOT BARRIER. 24" DEPTH FROM TOP OF TREE PIT DOWN, SURROUNDING ENTIRE TREE PIT OR AT EDGE OF HARDSCAPE IF LESS THAN SPECIFIED TREE PIT WIDTH IS NOT ACHIEVABLE IN URBAN CONDITIONS.
- CREATE 3" CONTINUOUS RIM SOIL SAUCER W/ SPEC. TOPSOIL.
- UNDISTURBED SUBSOIL TO FORM PEDESTAL TO PREVENT SETTLING.

NOTES: TREE PLANTING (>2" CAL.)

- ALL PLANT MATERIALS SHALL BE FLORIDA #1 OR BETTER IN ACCORDANCE WITH FLORIDA GRADES AND STANDARDS.
- DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF BELOW 12 INCHES. DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
- SOIL IN THE SURFACE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY) MUST BE LOOSENED BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
- SET THE TOP OF THE ROOT BALL 2"-3" HIGHER THAN THE SOIL SURFACE.
- UPPER 4" OF THE ROOTBALL
- BARKALL WITH EXISTING SOIL THAT HAS BEEN WELL-TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
- APPLY A (SETTLED) DEPTH OF MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
- PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
- REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.



1 TREE WELL WITH CHIMNEY DRAINAGE

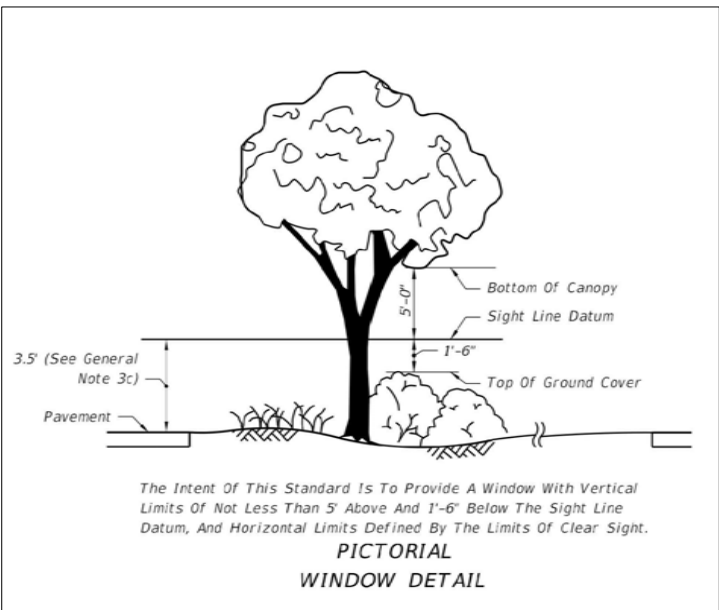
NTS

JPD-CO-PLA-329343-06

2 CONIFEROUS TREE PLANTING

NTS

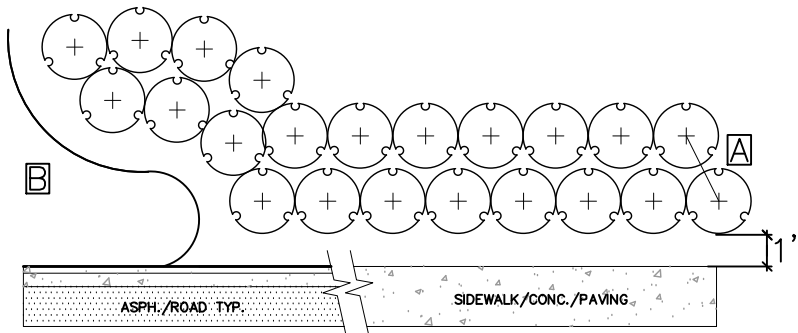
JPD-CO-PLA-03



3 FDOT PICTORIAL WINDOW DETAIL

NTS

JPD-CO-PLA-329343-09

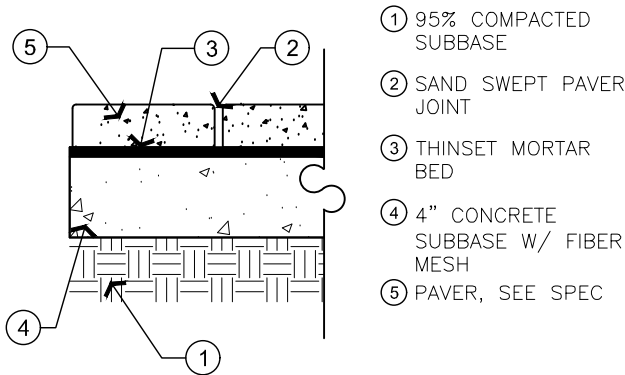


- SHRUBS AND GROUNDCOVERS ADJACENT TO STRAIGHT EDGES SHALL BE TRIANGULAR - SPACED IN ROWS PARALLEL TO THE STRAIGHT EDGE.
- SHRUBS AND GROUNDCOVERS ADJACENT TO CURVED EDGES SHALL BE PLANTED IN ROWS PARALLEL TO THE CURVED EDGES. CURVED EDGES TO BE VERY SMOOTH RADII.
- FIRST ROW OF SHRUBS ADJACENT TO CURB, BEDLINES & CONCRETE SHALL BE A OFFSET A DISTANCE OF 1'.

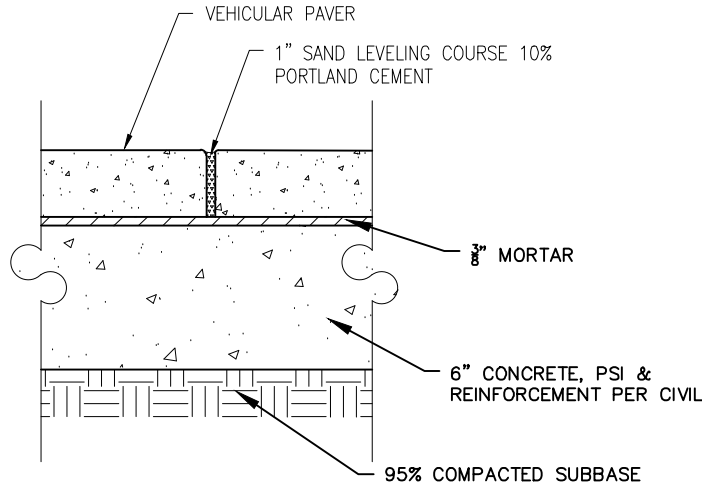
4 TYPICAL SPACING DETAIL

NTS

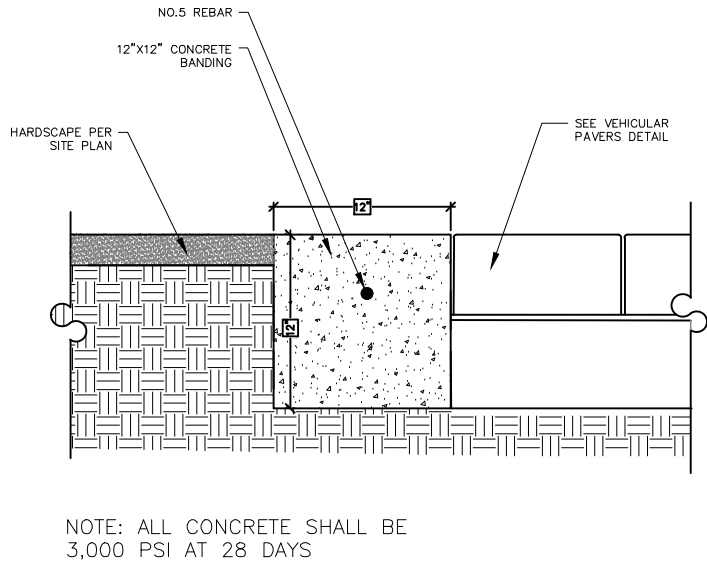
JPD-CO-PLA-329333-04



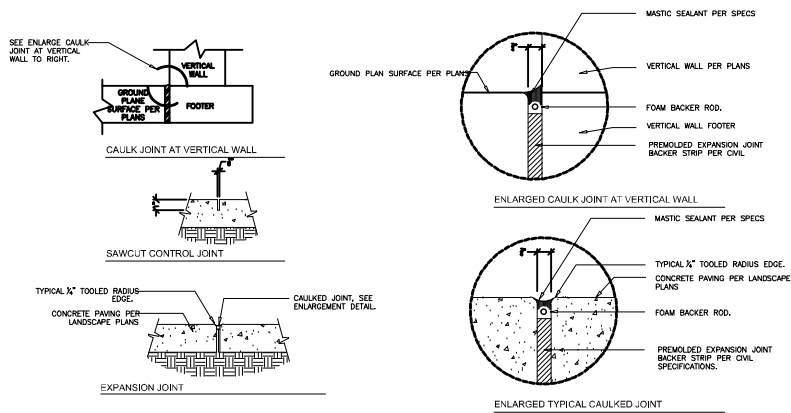
1 PAV-ER: PEDESTRIAN-FOOTER BASE SET
NTS JPD-CO-PAV-321413-20



2 PAV-ER: VEHICULAR-FOOTER BASE SET
NTS JPD-CO-PAV-329343-18



3 12" CONCRETE BAND AT VEHICULAR PAV-ER
NTS JPD-CO-PAV-321413-01



NOTE: ALL NEW CONCRETE WHERE MEETS EXISTING SHALL BE JOINTED BY EXPANSION JOINT PER LANDSCAPE DETAIL.

4 CONCRETE PAVING JOINT DETAILS
1" = 1" JPD-CO-CONJ-28



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GARDEN & JEFFERSON

DETAILS

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

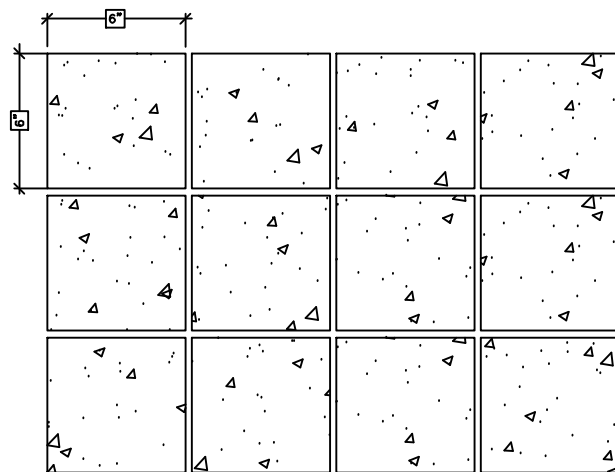
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DATE:

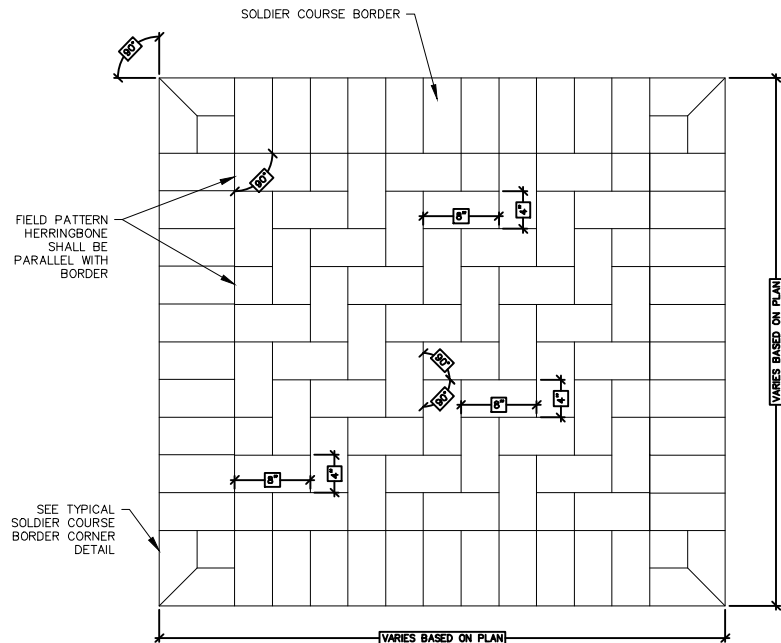
PROJECT NUMBER 19008

PLOT DATE 4/21/2020

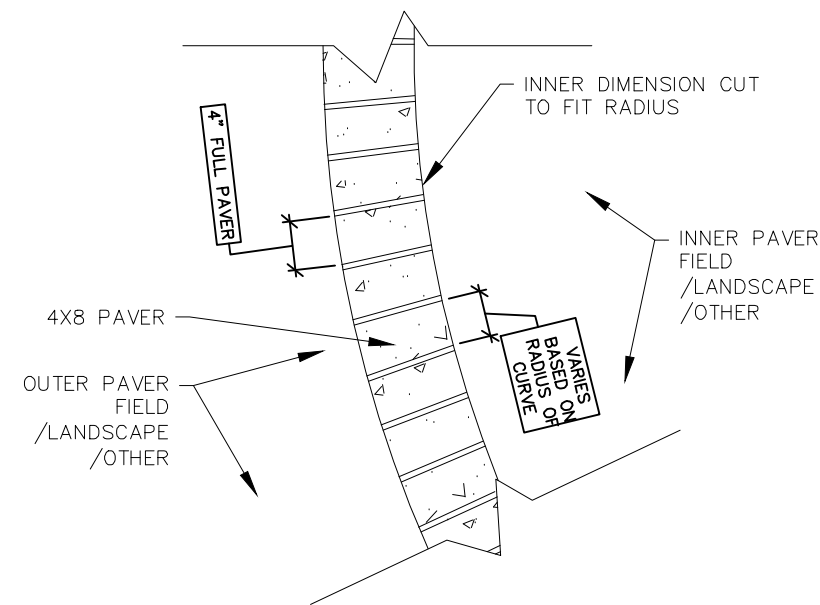
SHEET LD9 OF LD16



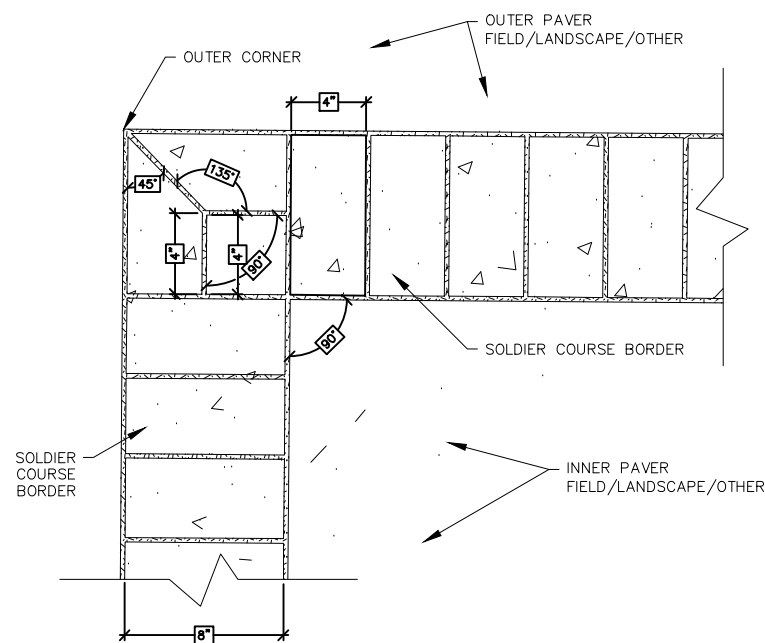
1 TYPICAL 6X6 PAVER STACKED PATTERN
NTS JPD-CO-PAV-329343-22



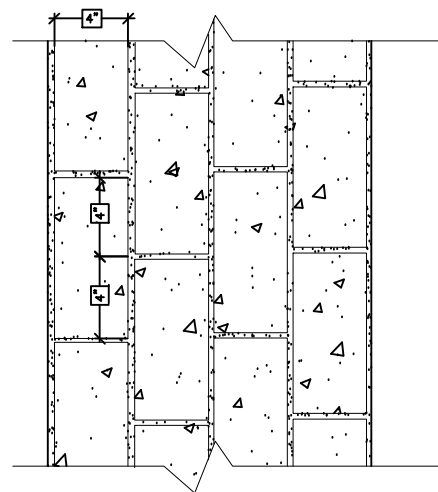
2 REPRESENTATIVE HERRINGBONE FIELD PATTERN LAYOUT
NTS P1-033363-14



3 TYPICAL 4X8 PAVER BORDER ON RADIUS
NTS P1-033363-11



4 TYPICAL 4X8 PAVER BORDER & CORNER LAYOUT
NTS P1-033363-12



5 TYPICAL 4X8 PAVER RUNNING BOND PATTERN
NTS JPD-CO-PAV-329343-20

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DETAILS

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SIGNATURE & SEAL

DATE:

PROJECT
NUMBER 19008

PLOT
DATE 4/21/2020

SHEET LD10 OF LD16

ANALYSIS: E. GARDEN STREET & JEFFERSON STREET
-GARDEN STREET

-- SPEED LIMIT: 30 MPH

INTERSECTIONS ADJACENT EAST & WEST: SIGNAL CONTROLLED

- IN ACCORDANCE WITH FDM 212.11.3 SIGNAL CONTROL (AASHTO CASE D)
1. SIGHT DISTANCES DEVELOPED BASED ON AASHTO CASE D INTERSECTIONS WITH SIGNAL CONTROL
 2. THE FIRST VEHICLE STOPPED ON ANY APPROACH LEG IS VISIBLE TO THE DRIVER OF THE FIRST VEHICLE STOPPED ON EACH OF THE OTHER APPROACH LEGS.
 3. FOR PERMISSIVE LEFT TURNS PROVIDE SUFFICIENT SIGHT DISTANCE FOR LEFT TURNING VEHICLES TO SELECT GAPS IN ONCOMING TRAFFIC AND COMPLETE LEFT TURNS.
 4. IF A TRAFFIC SIGNAL IS TO BE PLACED ON TWO-WAY FLASHING OPERATION (I.E. FLASHING YELLOW ON THE MAJOR ROAD APPROACHES AND FLASHING RED ON THE MINOR ROAD APPROACHES) UDER OFF PEAK OR NIGHTTIME CONDITIONS, THEN PROVIDE THE APPROPRIATE DEPARTURE SIGHT TRIANGLES FOR AASHTO CASE B (STOP CONTROL ON THE MINOR ROAD).
 5. IF RIGHT TURNS ON RED ARE PERMITTED FROM ANY APPROACH LEG THEN PROVIDE THE APPROPRIATE DEPARTURE SIGN TRIANGLE TO THE LEFT FOR AASHTO CASE B.
- RIGHT TURN ON RED ANALYSIS
- FDM 212.11.1 STOP CONTROL (AASHTO CASE B)
- MINIMUM DRIVER EYE SETBACK: 14.5 FEET FROM THE EDGE OF THE TRAVELED WAY MAY BE ADJUSTED ON ANY INTERSECTION LEG ONLY WHEN JUSTIFIED BY A DOCUMENTED, SITE SPECIFIC FIELD STUDY OF VEHICLE STOPPING POSITION AND DRIVER EYE POSITION.
- DR : 90 FEET
- DL : 255 FEET

ALL LANDSCAPE MATERIAL WHICH FALLS WITHIN THE FDOT LIMITS OF CLEAR SIGHT SHALL COMPLY WITH FDOT DESIGN MANUAL CHAPTER 228 LATEST VERSION.



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GARDEN & JEFFERSON

FDOT COMPLIANCE PLAN

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

SIGNATURE & SEAL

DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

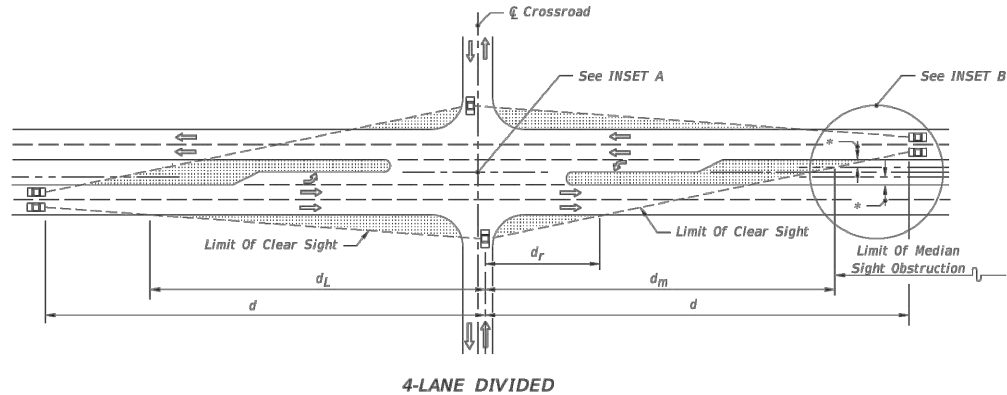
SHEET LD11 OF LD16

Median 22' or Less				
Design Speed (mph)	d (Ft.)	d _L (Ft.)	d _r (Ft.)	d _m (Ft.)
30	395	280	90	325
35	460	325	100	380
40	525	375	115	430
45	590	420	130	485
50	655	465	145	540
55	720	510	160	590
60	785	555	175	645
65	850	605	185	700

25'-64' Median				
Design Speed (mph)	d (Ft.)	d _L (Ft.)	d _v (Ft.)	d _{VL} (Ft.)
30	355	255	330	240
35	415	295	390	280
40	470	335	445	320
45	530	375	500	360
50	590	420	550	400
55	650	460	610	440
60	705	500	665	480
65	765	545	720	520

Passenger Vehicle

INTERSECTION SIGHT DISTANCE: 4-LANE DIVIDED

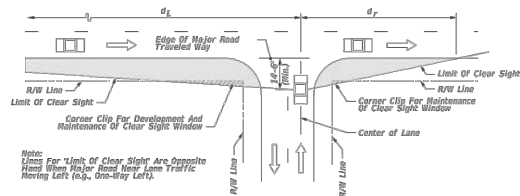


4-LANE DIVIDED

212.11.1 Stop Control (AASHTO Case B)

Figure 212.11.1 illustrates clear sight triangles for intersections and driveways.

Figure 212.11.1 Clear Sight Triangles



The minimum driver-eye setback of 14.5 feet from the edge of the traveled way may be adjusted on any intersection leg only when justified by a documented, site-specific field study of vehicle stopping position and driver-eye position.

Exhibits 212-4 through 212-7 provide intersection sight distances for stop controlled intersections. The tables in the exhibits provide sight distance values for Passenger vehicles, Single Unit (SU) Trucks, and Combination vehicles for design speeds ranging from 30 mph to 65 mph. Intersection sight distance based on Passenger vehicles is suitable for most intersections; however, consider the values for SU Vehicles or Combination vehicles for intersections with high truck volumes.

FDOT DRIVEWAY ANALYSIS:

PNJ DRIVEWAY

GARDEN STREET (US HIGHWAY 98 BUSINESS - STATE ROAD NO. 30)
FUNCTIONAL CLASS: 14

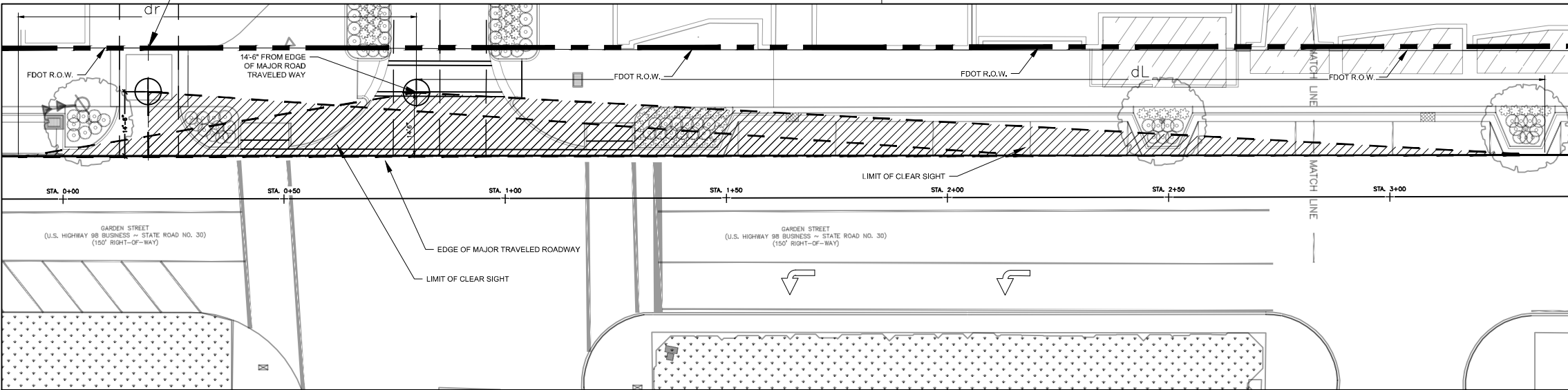
- CONNECTION (DRIVEWAY) CATEGORY 'A' AS DEFINED BY 214.1.1
- DRIVEWAY TERMINOLOGY
 - CATEGORY 'A'
 - 1-20 TRIPS/DAY OR 1-5 TRIPS/HOUR
- DESIGN & LAYOUT PER 214.2 & TABLE 214.2.1
- DIMENSIONS PER FDM TABLE 214.3.1 DRIVEWAY
- DIMENSIONS:
 - W = 12' MIN/24' MAX PER FDM 214.3.2
 - R = 12'
 - Y = 90 DEGREES
 - S = N/A
 - G = 12' MIN.
 - C & D = N/A

LEGEND

SYMBOL DESCRIPTION
EXISTING FDOT RIGHT OF WAY BOUNDARY

LIMIT OF CLEAR SIGHT PER FDOT DESIGN MANUAL CHAPTER 212

PNJ DRIVEWAY. SEE ANALYSIS NOTE ABOVE



ANALYSIS: E. GARDEN ST.
GARDEN STREET
-- SPEED LIMIT: 30 MPH
-- INTERSECTIONS ADJACENT EAST & WEST: SIGNAL CONTROLLED
- IN ACCORDANCE WITH FDM 214.6 SIGHT DISTANCE AT DRIVEWAYS
-- WHEN INTERSECTION SIGHT DISTANCE CANNOT BE MET ON VERY LOW SPEED (DESIGN SPEED LESS THAN OR EQUAL TO 35 MPH) ROADWAYS, PROVIDE THE GREATEST SIGHT DISTANCE POSSIBLE, BUT NOT LESS THAN MINIMUM STOPPING SIGHT DISTANCE VALUES IN FDM 210.11.1
- IN ACCORDANCE WITH FDM 210.11.1 STOPPING SIGHT DISTANCE TABLE 210.11.1
MINIMUM STOPPING SIGHT DISTANCE
-- DL = 200 FT

ALL LANDSCAPE MATERIAL WHICH FALLS WITHIN THE FDOT LIMITS OF CLEAR SIGHT SHALL COMPLY WITH FDOT DESIGN MANUAL CHAPTER 228 LATEST VERSION.

FDOT DRIVEWAY ANALYSIS:

LOT 52 DRIVEWAY

GARDEN STREET (US HIGHWAY 98 BUSINESS – STATE ROAD NO. 30)
FUNCTIONAL CLASS: 14
- CONNECTION (DRIVEWAY) CATEGORY 'A' AS DEFINED BY 214.1.1 DRIVEWAY TERMINOLOGY
-- CATEGORY 'A'
--- 1–20 TRIPS/DAY OR 1–5 TRIPS/HOUR
- DESIGN & LAYOUT PER 214.2 & TABLE 214.2.1
- DIMENSIONS PER FDM TABLE 214.3.1 DRIVEWAY DIMENSIONS:
-- W = 12' MIN/24' MAX PER FDM 214.3.2
-- R = 12'
-- Y = 90 DEGREES
-- S = N/A
-- G = 12' MIN.
-- C & D = N/A

SYMBOL

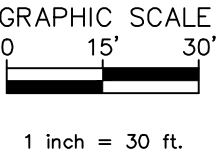
LEGEND

DESCRIPTION

EXISTING FDOT RIGHT OF WAY BOUNDARY

LIMIT OF CLEAR SIGHT PER FDOT DESIGN MANUAL CHAPTER 212

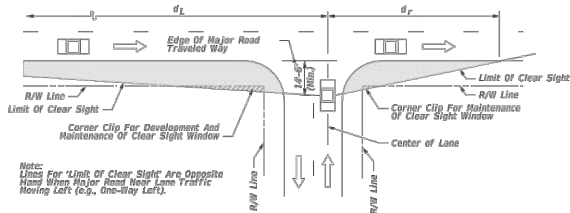
Table 210.11.1 Minimum Stopping Sight Distance										
Grade (percent)	Minimum Stopping Sight Distance (feet)									
	Design Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
Downgrade	≤ 2	155	200	250	305	360	425	495	570	645
	3	158	205	257	315	378	446	520	598	682
	4	160	208	261	320	385	454	530	610	696
	5	162	211	266	326	392	464	541	623	712
	6	165	215	271	333	400	474	553	638	728
	7	167	218	276	339	408	484	565	652	746
	8	170	222	281	346	417	495	579	669	765
	9	173	227	287	354	427	507	593	686	785
	10	176	231	292	361	435	517	605	699	800
Upgrade	≤ 2	155	200	250	305	360	425	495	570	645
	3	147	190	237	289	344	405	469	538	612
	4	146	188	234	285	339	399	462	530	602
	5	144	186	231	281	335	393	456	522	593
	6	143	184	229	278	331	388	450	515	584
	7	142	182	226	275	327	383	443	508	576
	8	141	180	224	272	323	379	438	501	568
	9	139	179	222	269	320	375	433	495	561
	10	138	178	221	268	319	374	431	492	558



212.11.1 Stop Control (AASHTO Case B)

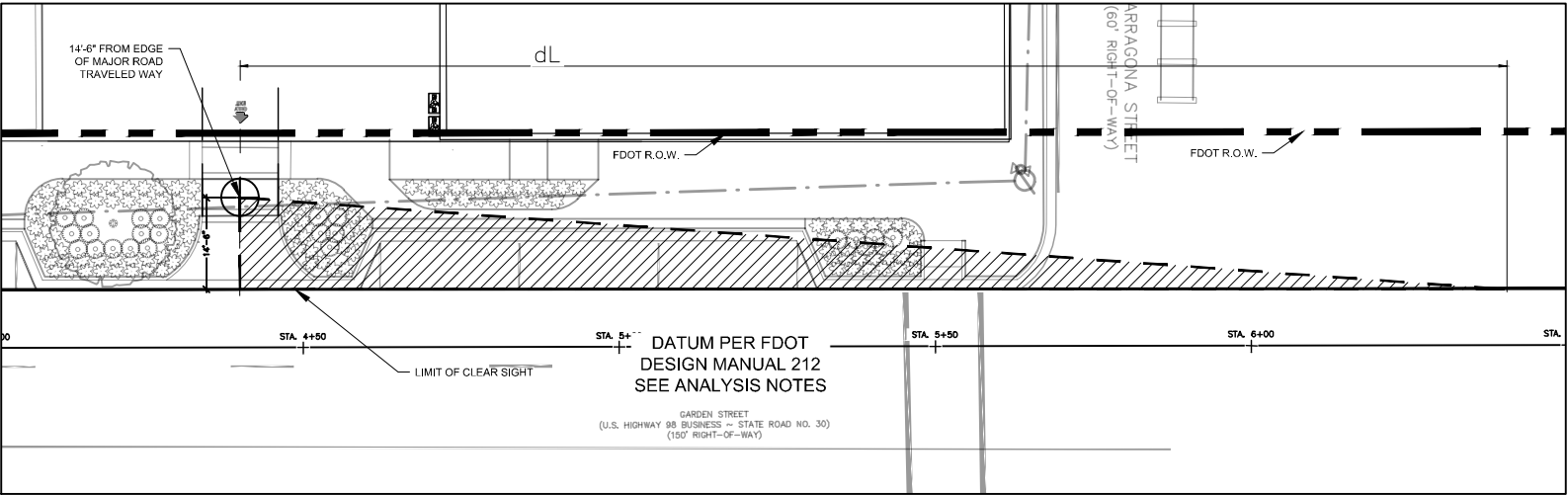
Figure 212.11.1 illustrates clear sight triangles for intersections and driveways.

Figure 212.11.1 Clear Sight Triangles



The minimum driver-eye setback of 14.5 feet from the edge of the traveled way may be adjusted on any intersection leg only when justified by a documented, site-specific field study of vehicle stopping position and driver-eye position.

Exhibits 212-4 through 212-7 provide intersection sight distances for stop controlled intersections. The tables in the exhibits provide sight distance values for Passenger vehicles, Single Unit (SU) Trucks, and Combination vehicles for design speeds ranging from 30 mph to 65 mph. Intersection sight distance based on Passenger vehicles is suitable for most intersections; however, consider the values for SU Vehicles or Combination vehicles for intersections with high truck volumes.



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GARDEN & JEFFERSON

FDOT COMPLIANCE PLAN

DRAWN BY:
E.ZHANG

DESIGNED BY:
B.ALEXANDER

SIGNATURE & SEAL

DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

SHEET LD12 OF LD16

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
25 50 10 20	Toro 570S-FB-PC Pressure-Compensating Flood Bubbler on Fixed Riser. 0.25GPM, 0.5GPM, 1.0GPM, and 2.0GPM.	8	30	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		
	Toro T-FCH-H-FIPT Flush Valve, plumbed to flush manifold at low point.	1		
	Toro T-YD-500-34 1/2" Air Vent- MIPT Air Release and Vacuum Relief Valve	1		
+ + + + + + + + + +	Area to Receive Drip Emitters Toro T-DPC-DC Single Outlet Emitter. Self-Flushing, Pressure Compensating, with Color-Coded Dust Cap. 0.5GPH=Blue; 1.0GPH=Black; 2.0GPH=Red.	948.2 s.f.		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		
	Toro CC-M12 12-Station Irrigation Controller with Wall-Mount Metal Cabinet. Comes with internal transformer and high-surge protection. Controller & valves shall be located outside the FDOT ROW. Final location to be approved by Landscape Architect.	1		
	Toro 53853 Wired Rain/Freeze Sensor. Mount as noted or approved, use controller power or optional transformer. Adjust rain shutoff index. Normally-Open or Normally-Closed. Shall be located outside the FDOT ROW. Final location to be approved by Landscape Architect.	1		
	Irrigation Lateral Line: HDPE PE4710 DR 11	1,000 l.f.		

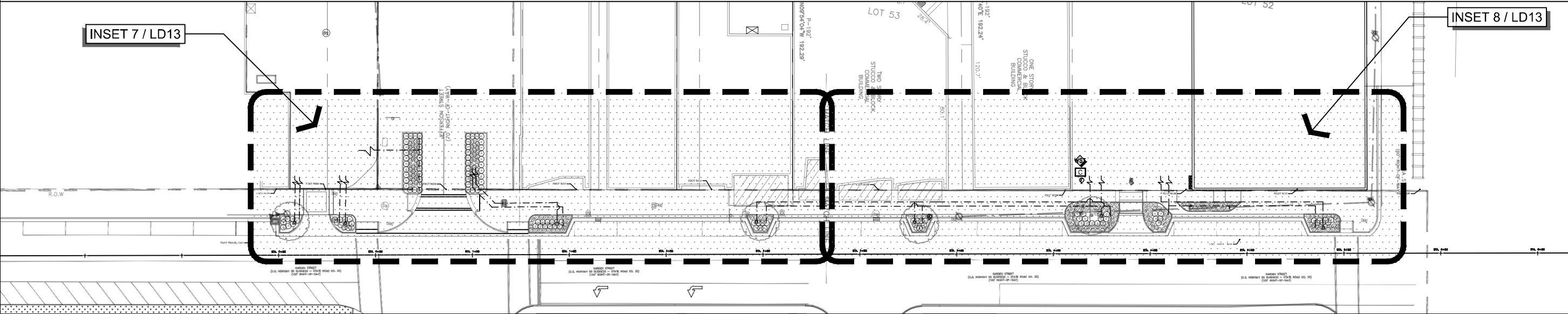


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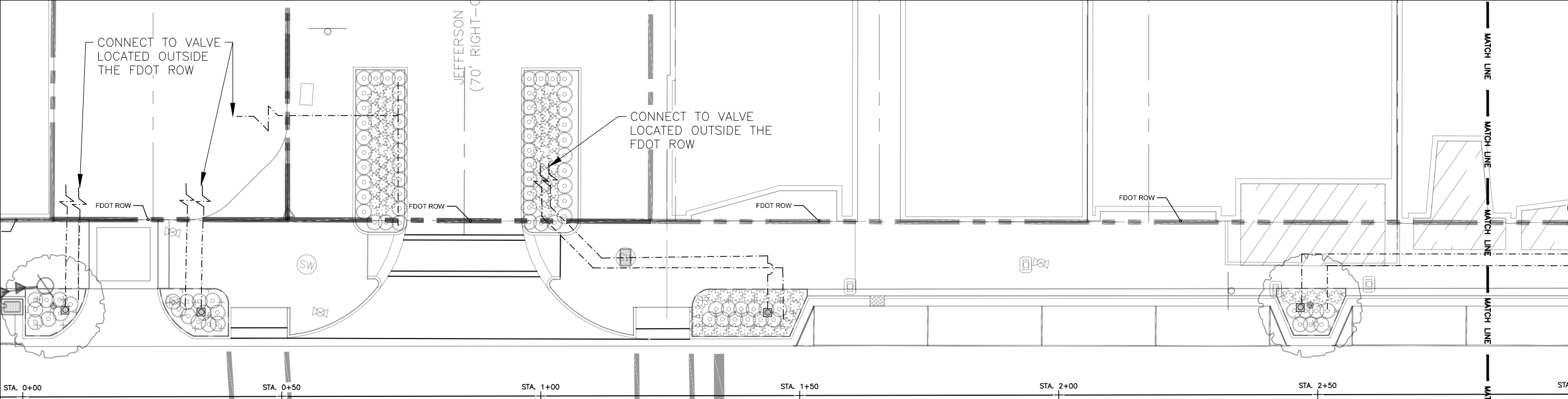
GARDEN & JEFFERSON

IRRIGATION PLAN

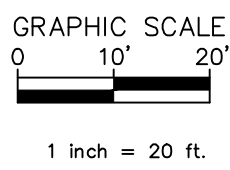
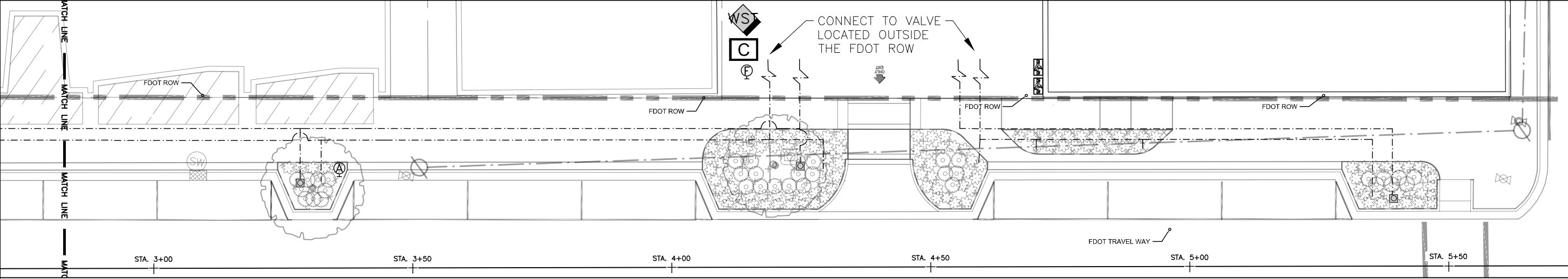


DRAWN BY:	E.ZHANG
DESIGNED BY:	B.ALEXANDER
SIGNATURE & SEAL	
DATE:	
PROJECT NUMBER	19008
PLOT DATE	4/21/2020
SHEET	LD13 OF LD16

INSET 7



INSET 8



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GARDEN & JEFFERSON

IRRIGATION PLAN

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SIGNATURE & SEAL	
DATE:	
PROJECT NUMBER	19008
PLOT DATE	4/21/2020
SHEET	LD14 OF LD16

DRAWN BY:
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DESIGNED BY:
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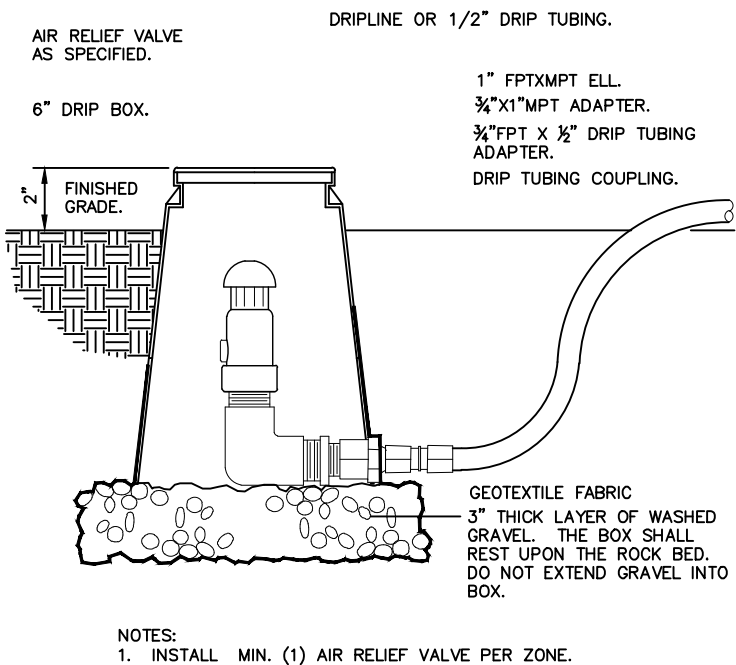
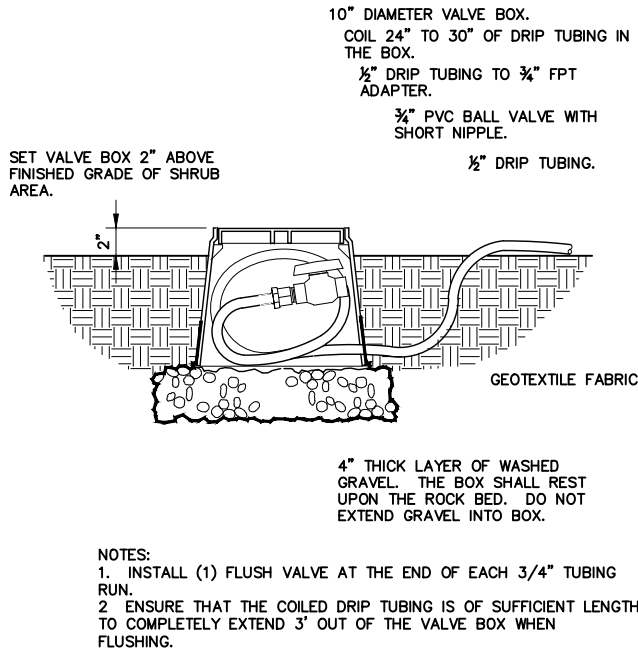
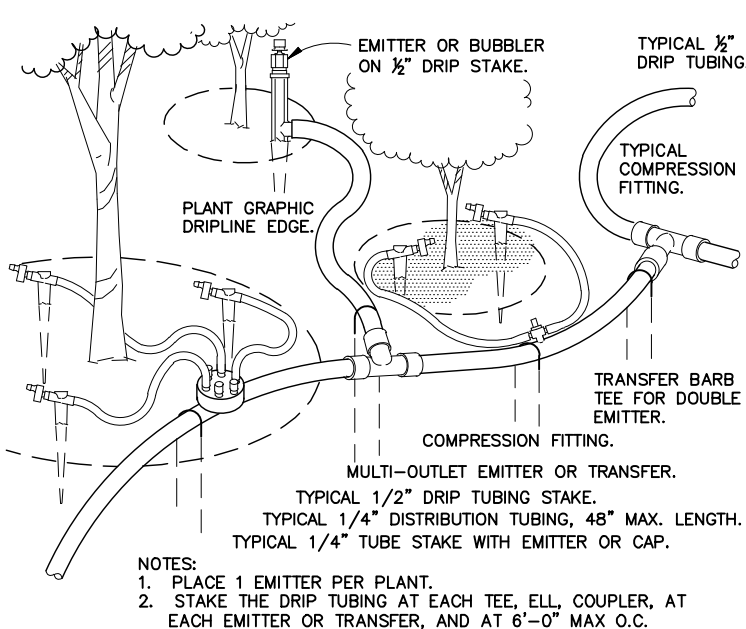
SIGNATURE & SEAL

DATE:

PROJECT NUMBER 19008

PLOT DATE 4/21/2020

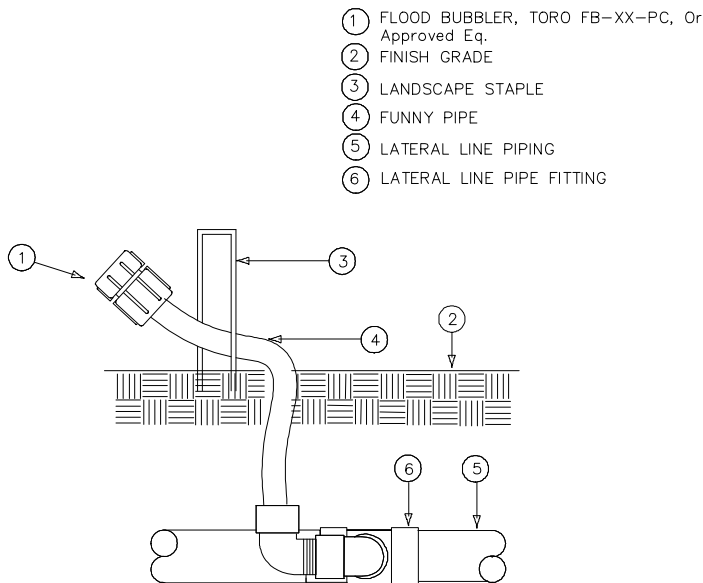
SHEET LD15 OF LD16



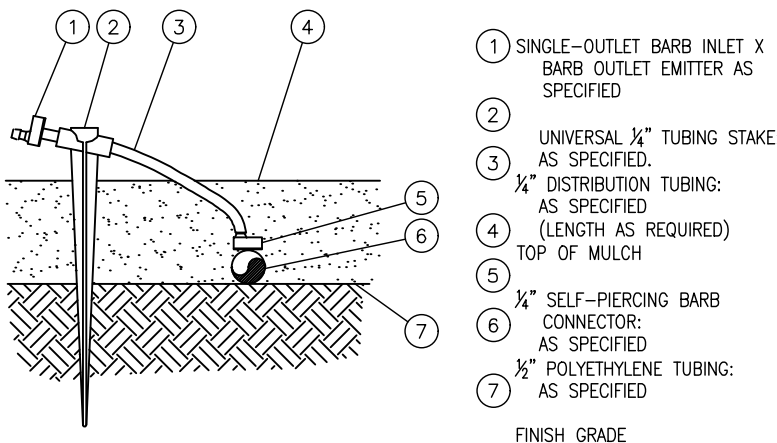
1 TYPICAL DRIP TUBING
NTS JPD-IR-CIRR-DRIP-328413-06

2 DRIP FLUSH BALL VALVE ASSEMBLY
NTS JPD-IR-CIRR-DRIP-328413-09

3 DRIP AIR RELIEF VALVE IN BOX
NTS JPD-IR-CIRR-DRIP-328413-10



4 FLOOD BUBBLER TORO FB-XX-PC
NTS JPD-IR-CIRR-DRIP-328413-16



5 TORO T-DPC-DC DRIP EMITTER
NTS JPD-IR-CIRR-DRIP-328413-21

IRRIGATION NOTES:

1. LOCATE ALL UNDERGROUND UTILITIES, ELECTRICAL WIRING, WATER, SEWER, TELEPHONE, CABLE TV, AND OTHER UNDERGROUND LINES BEFORE LANDSCAPE AND IRRIGATION INSTALLATION.
2. INSTALL AN AUTOMATIC IRRIGATION SYSTEM TO ENSURE 100% COVERAGE OF ALL PLANTED AND GRASSED AREAS. THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS TO LANDSCAPE ARCHITECT AND OWNER SHOWING ALL INFORMATION REQUIRED BY LOCAL CODES AND NECESSARY FOR THE EFFICIENT OPERATION AND MAINTENANCE OF THE SYSTEM. ALL SENSORS, CONTROLLERS & VALVES SHALL BE LOCATED OUTSIDE THE FDOT ROW.
3. ELEMENT LOCATION ON THE DRAWINGS IS SCHEMATIC SHOWING INTENT. CONTRACTOR SHALL NOT MAKE CHANGES TO PIPE SIZING OR ROUTING WITHOUT PRIOR APPROVAL OF OWNER & IRRIGATION DESIGNER.
4. THE CONTROLLER SHALL BE EQUIPPED BY THE CONTRACTOR WITH PROPERLY LOCATED AND INSTALLED RAIN / FREEZE / WIND SHUTOFF SENSORS. THE SENSORS SHALL BE LOCATED IN SUCH A MANNER SO THAT THEY ARE UNOBSTRUCTED, AND DIRECTLY EXPOSED TO NATURAL RAINFALL, WIND, AND SUNLIGHT FROM ALL DIRECTIONS, BUT NOT TO RUNOFF WATER FROM SWALES OR OTHER SURFACES. ALL SENSORS, CONTROLLERS & VALVES SHALL BE LOCATED OUTSIDE THE FDOT ROW.
5. THE LANDSCAPE BID SHALL BE FOR THE IRRIGATION MATERIALS SPECIFIED. REQUESTS TO USE EQUAL, SUBSTITUTE MATERIALS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING AND OWNER'S APPROVAL GIVEN IN WRITING BEFORE THE SUBSTITUTION IS ALLOWED. REQUESTS TO USE EQUAL, SUBSTITUTE MATERIALS SHALL INCLUDE COMPLETE PRODUCT SPECIFICATIONS AND ANY COST SAVINGS TO THE PROJECT.
6. IF DISCREPANCIES OCCUR BETWEEN THE PLANS, NOTES, AND ACTUAL CONDITIONS CONTACT THE LANDSCAPE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
7. THE INSTALLER SHALL BE FAMILIAR WITH ALL REQUIREMENTS FOR THE WORK, AND TO CONDUCT HIS WORK IN A CLEAN, SAFE, AND WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO ACT TO PROTECT HIS PROPERTY AND THE OTHER PERSONNEL AT WORK THERE, AND TO MAKE EMERGENCY REPAIRS OR TAKE CORRECTIVE ACTION IF THE INSTALLER DOES NOT FULFILL HIS OBLIGATIONS IN A TIMELY MANNER. THE OWNER FURTHER RESERVES THE RIGHT TO BACK-CHARGE THE INSTALLER TO COVER SUCH EXPENSES, TO THE EXTENT ALLOWED UNDER APPLICABLE LAW.
8. IRRIGATION MATERIALS AND WORKMANSHIP SHALL BE WARRANTIED FOR ONE YEAR. MANUFACTURER'S WARRANTIES SHALL BE PASSED TO THE OWNER.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH PREVAILING CODES AND REGULATIONS, AND ESCAMBIA COUNTY IRRIGATION STANDARDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND CONFORM TO THE PARTICULAR CODES AND REGULATIONS APPLICABLE TO THIS LOCATION, AS WELL AS ESCAMBIA COUNTY IRRIGATION STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INCLUDING THOSE FOR ANY NEW WATER LINE TAPS OR WELLS, LOCATES, AND INSPECTIONS.
10. IRRIGATION SYSTEM AND ITS COMPONENTS SHALL BE INSTALLED ACCORDING TO MANUFACTURES' SPECIFICATIONS
11. IRRIGATION SCHEDULES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR PERFORMING THEIR OWN TAKE OFF BASED ON PLAN DOCUMENTS & ENSURING UNIFORM COVERAGE OF LANDSCAPED AREAS.
12. IRRIGATION WATER SCHEDULE SHALL BE UNDERSTOOD TO BE FOR INFORMATIONAL PURPOSES ONLY. SHOULD LANDSCAPE MATERIAL REQUIRE INCREASED PRECIPITATION THE IRRIGATION WATERING SCHEDULE SHALL BE ADJUSTED AS NEEDED TO ENSURE A HEALTHY LANDSCAPE.
13. IRRIGATION SYSTEM AND ITS COMPONENTS SHALL BE INSTALLED ACCORDING TO MANUFACTURES' SPECIFICATIONS.
14. ALL UTILITIES IN THE FDOT RIGHT OF WAY AND ADJACENT SHALL BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
15. NO SITE WORK ACTIVITIES SHALL TAKE PLACE WITHOUT CITY SITE REVIEW/APPROVAL OF PROPOSED EROSION CONTROL MEASURES AND ADVANCED NOTIFICATION OF THE REQUESTED INSPECTION IS REQUIRED.
16. PUBLIC WORKS STAFF SHALL BE NOTIFIED PRIOR TO PERFORMING ANY WORK IN THE CITY RIGHT OF WAY.
17. ALL CONSTRUCTION AND LABOR SHALL BE IN ACCORDANCE WITH INDEX NO. 102-612 OF THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION (LATEST EDITION).
18. SHOULD ANY WORK REQUIRE ENCROACHMENT ON THE EXISTING SIDEWALKS WITHIN THE DELINEATED FDOT RIGHT OF WAY, THE WORK SHALL BE IN ACCORDANCE WITH INDEX NO. 102-660 OF THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION (LATEST EDITION).
19. ALL MAINTENANCE OF LANDSCAPE AND IRRIGATION WITHIN THE FDOT RIGHT OF WAY SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND NOT THE FDOT.
20. ALL PROPOSED DEPTH OF IRRIGATION LINES SHALL BE MIN. 12" DEPTH OF COVER WITHIN THE FDOT RIGHT OF WAY.

