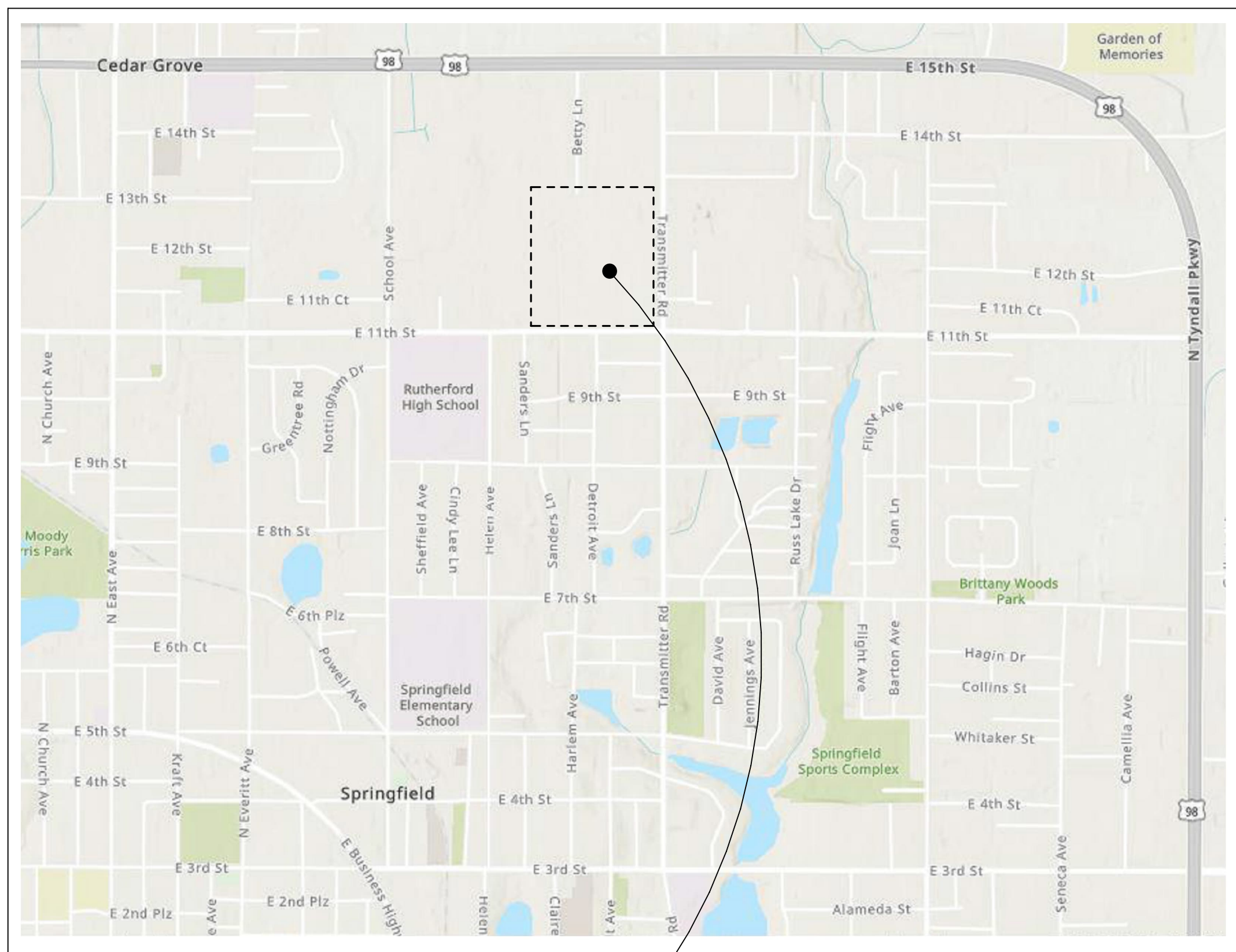


SPRINGFIELD CITY COMPLEX

1141 TRANSMITTER ROAD
SPRINGFIELD, FLORIDA 32401



VICINITY MAP



PROJECT SITE

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DESCRIPTION

DATE / REV.

10-03-2022	Designer	Author	Checker	T. JARMAN	Approver
DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJECT ARCHITECT:	PROJECT MANAGER:	Approver

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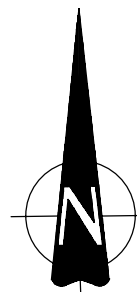
SHEET TITLE:

TITLE SHEET -
VOLUME - III

SHEET NUMBER:

CIVIL & LANDSCAPE

VOLUME - III **G-01..**



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SHEET NUMBERS:

G-01	A1-00	A2-00	A2-80	A3-42	A4-21	A6-03
G-01A	A1-01	A2-01	A2-81	A3-43	A4-30	A6-04
G-02	A1-10	A2-10	A3-00	A3-44	A4-31	A6-05
G-03	A1-11	A2-11	A3-01	A3-45	A4-32	A6-06
G-04	A1-12	A2-12	A3-10	A3-50	A4-35	A6-07
G-05	A1-13	A2-13	A3-11	A3-60	A4-36	A7-01
G-06	A1-14	A2-14	A3-12	A3-70	A4-40	A7-02
G-07	A1-20	A2-20	A3-13	A3-80	A4-41	A7-03
G-08	A1-30	A2-21	A3-14	A3-81	A4-42	A8-01
G-09	A1-31	A2-30	A3-20	A4-00	A4-43	A8-02
G-10	A1-35	A2-31	A3-21	A4-01	A4-50	
G-11	A1-36	A2-35	A3-30	A4-10	A4-60	
	A1-40	A2-36	A3-31	A4-11	A4-61	
	A1-41	A2-40	A3-32	A4-12	A4-70	
	A1-42	A2-41	A3-33	A4-13	A4-80	
	A1-43	A2-42	A3-35	A4-14	A4-81	
	A1-50	A2-43	A3-36	A4-15	A4-82	
	A1-60	A2-50	A3-37	A4-16	A5-01	
	A1-70	A2-51	A3-38	A4-17	A5-02	
	A1-80	A2-60	A3-40	A4-18	A6-01	
	A1-81	A2-70	A3-41	A4-20	A6-02	

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.G0.1
.G1.0
.G2.0
C1.0
C1.1
C1.2
C1.3
C2.0
C2.1
C3.0
C3.1
C3.2
CD1.0
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CD3.0
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SHEET NUMBERS:

S0-01	S2-23	S4-21
S0-02	S2-24	S4-22
S0-03	S2-25	S4-23
S1-10	S3-10	SD-30
S1-11	S3-11	SD-31
S1-12	S3-12	SD-40
S1-13	S3-13	SD-41
S1-14	S3-14	SD-50
S1-20	S3-20	SD-51
S1-21	S3-21	SD-52
S1-22	S3-22	
S1-23	S3-23	
S1-24	S3-24	
S2-10	S4-10	
S2-11	S4-11	
S2-12	S4-12	
S2-13	S4-13	
S2-14	S4-14	
S2-20	S4-15	
S2-21	S4-16	
S2-22	S4-20	

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SHEET NUMBERS:

P-00	M1-00	M2-61	M4-01	FX-4.4
P-01	M1-01	M2-62	M4-10	FX-4.5
P-02	M1-10	M2-63	M4-11	FX-4.6
P-03	M1-11	M3-00	M4-12	FX-4.7
P-04	M1-12	M3-01	M4-13	FX-4.8
P-05	M1-20	M3-10	M4-14	FX-4.9
P-06	M1-50	M3-11	M4-15	FX-4.10
P-07	M1-51	M3-12	M4-20	FX-4.11
P-08	M1-60	M3-20	M4-21	FX-4.12
P-09	M1-61	M3-21	M4-22	FX-4.13
P-10	M1-62	M3-50	M4-23	FX-0.1
P-11	M1-63	M3-51	M4-50	FX-1.1
P-12	M2-00	M3-52	M4-51	FX-2.1
P-13	M2-01	M3-60	M4-52	FX-3.1
P-14	M2-10	M3-61	M4-60	FX-4.1
P-15	M2-11	M3-62	M4-61	FX-4.2
P-16	M2-12	M3-63	M4-62	
P-17	M2-20	M3-64	M4-63	
P-18	M2-50	M3-65	M4-64	
	M2-51	M4-00	M4-65	
	M2-60			

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E0.01	E3.20
E0.02	E3.30
E1.10	E3.40
E1.12	E3.50
E1.15	E3.60
E1.17	E4.15
E1.20	E4.17
E1.30	E4.20
E1.40	E4.21
E1.50	E4.30
E1.60	E4.31
E2.15	E4.40
E2.17	E4.41
E2.20	E4.50
E2.30	E4.51
E2.40	E4.60
E2.50	E9.01
E2.60	E9.02
E3.15	E9.03
E3.17	

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ELECTRICAL SHEETS



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SPRINGFIELD, FLORIDA 32401

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	T. JARMAN			
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	T. JARMAN			
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DIGITAL SIGNATURE SHEET

SHEET NUMBER:
G-01A

INDEX OF DRAWINGS

GENERAL ARCHITECTURE - VOLUME - I
G-01 TITLE SHEET - VOLUME - I
G-01A DIGITAL SIGNATURE SHEET
G-02 INDEX OF DRAWINGS
G-03 LEGENDS AND ABBREVIATIONS
G-04 SITE PLAN - ARCHITECTURAL
G-05 CAMPUS MONUMENT SIGNAGE AND FLAG POLES DETAILS
G-06 DIGITAL SITE SIGNAGE DETAILS
G-07 OVERALL SITE AERIAL VIEWS
G-08 3D VIEWS
G-09 WALL TYPES & DETAILS
G-10 FIRE PROTECTION DETAILS
G-11 FINISH LEGEND
CIVIL - VOLUME - III
G0.1 EXISTING SURVEY AND DEMOLITION PLAN
G1.0 PROJECT LAYOUT AND GENERAL NOTES
G2.0 GEOMETRIC LAYOUT
C1.0 GRADING AND PIPING PLAN
C1.1 GRADING PLAN NORTH
C1.2 GRADING PLAN SOUTH
C1.3 GRADING PLAN WEST
C2.0 SANITARY SEWER PLAN
C2.1 SANITARY SEWER PROFILES
C3.0 WATER SYSTEM OVERALL PLAN
C3.1 WATER SYSTEM NORTH PLAN
C3.2 WATER SYSTEM SOUTH PLAN
CD1.0 CIVIL DETAILS
CD2.0 CIVIL DETAILS
CD3.0 CIVIL DETAILS
CD4.0 CIVIL DETAILS
M1.0 MARKING AND SIGNAGE PLAN
ARCHITECTURE - VOLUME - I
A1-00 POLICE STATION - COVER SHEET
A1-01 POLICE STATION - LIFE SAFETY PLAN
A1-10 POLICE STATION - OVERALL REFERENCE FLOOR PLAN
A1-11 POLICE STATION - OVERALL DIMENSIONS FLOOR PLAN
A1-12 POLICE STATION - OVERALL FURNITURE & EQUIPMENT FLOOR PLAN
A1-13 POLICE STATION - REFLECTED CEILING PLAN
A1-14 POLICE STATION - ROOF PLAN
A1-20 POLICE STATION - EXTERIOR ELEVATIONS
A1-30 POLICE STATION - BUILDING SECTIONS
A1-31 POLICE STATION - BUILDING SECTIONS
A1-35 POLICE STATION - WALL SECTIONS
A1-36 POLICE STATION - WALL SECTIONS
A1-40 POLICE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A1-41 POLICE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A1-42 POLICE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A1-43 POLICE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A1-50 POLICE STATION - PLAN DETAILS
A1-60 POLICE STATION - DOOR SCHEDULE
A1-70 POLICE STATION - WINDOW, STOREFRONT AND CURTAINWALL TYPES
A1-80 POLICE STATION - FINISH SCHEDULE & DETAILS
A1-81 POLICE STATION - FINISH FLOOR PLAN
A2-00 CITY HALL - COVER SHEET
A2-01 CITY HALL - LIFE SAFETY PLAN
A2-10 CITY HALL - OVERALL REFERENCE FLOOR PLAN
A2-11 CITY HALL - OVERALL DIMENSIONS FLOOR PLAN
A2-12 CITY HALL - OVERALL FURNITURE & EQUIPMENT FLOOR PLAN
A2-13 CITY HALL - OVERALL REFLECTED CEILING PLAN
A2-14 CITY HALL - ROOF PLAN
A2-20 CITY HALL - EXTERIOR ELEVATIONS
A2-21 CITY HALL - EXTERIOR ELEVATIONS
A2-30 CITY HALL - BUILDING SECTIONS
A2-31 CITY HALL - BUILDING SECTIONS
A2-35 CITY HALL - WALL SECTIONS
A2-36 CITY HALL - WALL SECTIONS
A2-40 CITY HALL - ENLARGED PLANS AND INTERIOR ELEVATIONS
A2-41 CITY HALL - ENLARGED PLANS AND INTERIOR ELEVATIONS
A2-42 CITY HALL - ENLARGED PLANS AND INTERIOR ELEVATIONS
A2-43 CITY HALL - ENLARGED PLANS AND INTERIOR ELEVATIONS
A2-50 CITY HALL - PLAN DETAILS
A2-51 CITY HALL - PLAN DETAILS
A2-60 CITY HALL - DOOR SCHEDULE
A2-70 CITY HALL - WINDOW, STOREFRONT AND CURTAINWALL
A2-80 CITY HALL - FINISH SCHEDULE & DETAILS
A2-81 CITY HALL - FINISH FLOOR PLAN
A3-00 FIRE STATION - COVER SHEET
A3-01 FIRE STATION - LIFE SAFETY PLAN
A3-10 FIRE STATION - OVERALL REFERENCE FLOOR PLAN
A3-11 FIRE STATION - OVERALL DIMENSIONS FLOOR PLAN
A3-12 FIRE STATION - OVERALL FURNITURE & EQUIPMENT FLOOR PLAN
A3-13 FIRE STATION - OVERALL REFLECTED CEILING PLAN
A3-14 FIRE STATION - OVERALL ROOF PLAN
A3-20 FIRE STATION - EXTERIOR ELEVATIONS
A3-21 FIRE STATION - EXTERIOR ELEVATIONS
A3-30 FIRE STATION - BUILDING SECTIONS
A3-31 FIRE STATION - BUILDING SECTIONS
A3-32 FIRE STATION - BUILDING SECTIONS
A3-33 FIRE STATION - BUILDING SECTIONS
A3-35 FIRE STATION - WALL SECTIONS
A3-36 FIRE STATION - WALL SECTIONS
A3-37 FIRE STATION - WALL SECTIONS
A3-38 FIRE STATION - WALL SECTIONS
A3-40 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-41 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-42 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-43 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-44 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-45 FIRE STATION - ENLARGED PLANS AND INTERIOR ELEVATIONS
A3-50 FIRE STATION - PLAN DETAILS
A3-60 FIRE STATION - DOOR SCHEDULE
A3-70 FIRE STATION - WINDOW, STOREFRONT AND CURTAINWALL
A3-80 FIRE STATION - FINISH SCHEDULE & DETAILS
A3-81 FIRE STATION - FINISH FLOOR PLAN
A4-00 PUBLIC WORKS - COVER SHEET
A4-01 PUBLIC WORKS - LIFE SAFETY PLAN
A4-10 PUBLIC WORKS - REFERENCE FLOOR PLAN - AREA A
A4-11 PUBLIC WORKS - DIMENSIONS PLAN - AREA A
A4-12 PUBLIC WORKS - FURNITURE & EQUIPMENT PLAN - AREA A
A4-13 PUBLIC WORKS - REFERENCE FLOOR PLAN - AREA B
A4-14 PUBLIC WORKS - DIMENSIONS PLAN - AREA B
A4-15 PUBLIC WORKS - FURNITURE & EQUIPMENT PLAN - AREA B
A4-16 PUBLIC WORKS - REFLECTED CEILING PLAN - AREA A

INDEX OF DRAWINGS

A4-17 PUBLIC WORKS - REFLECTED CEILING PLAN - AREA B
A4-18 PUBLIC WORKS - ROOF PLAN
A4-20 PUBLIC WORKS - EXTERIOR ELEVATIONS
A4-21 PUBLIC WORKS - EXTERIOR ELEVATIONS
A4-30 PUBLIC WORKS - BUILDING SECTIONS
A4-31 PUBLIC WORKS - BUILDING SECTIONS
A4-32 PUBLIC WORKS - BUILDING SECTIONS
A4-35 PUBLIC WORKS - WALL SECTIONS
A4-36 PUBLIC WORKS - WALL SECTIONS
A4-40 PUBLIC WORKS - ENLARGED PLANS AND INTERIOR ELEVATIONS
A4-41 PUBLIC WORKS - ENLARGED PLANS AND INTERIOR ELEVATIONS
A4-42 PUBLIC WORKS - ENLARGED PLANS AND INTERIOR ELEVATIONS
A4-43 PUBLIC WORKS - ENLARGED PLANS AND INTERIOR ELEVATIONS
A4-50 PUBLIC WORKS - PLAN DETAILS
A4-60 PUBLIC WORKS - GRAPHIC DOOR SCHEDULE
A4-61 PUBLIC WORKS - DOOR SCHEDULE
A4-70 PUBLIC WORKS - WINDOW, STOREFRONT AND CURTAINWALL TYPES
A4-80 PUBLIC WORKS - FINISH SCHEDULE & DETAILS
A4-81 PUBLIC WORKS FINISH FLOOR PLAN PART A
A4-82 PUBLIC WORKS FINISH FLOOR PLAN PART B
A5-01 CASEWORK DETAILS
A5-02 CASEWORK DETAILS
A6-01 DOOR DETAILS
A6-02 DOOR DETAILS
A6-03 INTERIOR STOREFRONT DETAILS
A6-04 EXTERIOR STOREFRONT / CURTAINWALL DETAILS
A6-05 EXTERIOR STOREFRONT / CURTAINWALL DETAILS
A6-06 WINDOW DETAILS
A6-07 LOUVER DETAILS
A7-01 ROOF DETAILS
A7-02 ROOF DETAILS
A7-03 ROOF DETAILS
A8-01 MISC. DETAILS
A8-02 MISC FINISH DETAILS
STRUCTURAL - VOLUME - II
S0-01 STRUCTURAL NOTES
S0-02 STRUCTURAL NOTES
S0-03 STRUCTURAL NOTES
S1-10 FOUNDATION PLAN
S1-11 SLAB ON GRADE PLAN
S1-12 WALL LAYOUT PLAN
S1-13 ROOF FRAMING PLAN
S1-14 PARTIAL ROOF FRAMING PLANS
S1-20 ROOF COMPONENT & CLADDING
S1-21 TYPICAL WALL SECTIONS
S1-22 BUILDING SECTION AT ENTRANCE
S1-23 BUILDING STEEL FRAMING DETAILS
S1-24 COVERED PARKING CANOPY SECTIONS
S2-10 FOUNDATION PLAN
S2-11 SLAB ON GRADE PLAN
S2-12 WALL LAYOUT PLAN
S2-13 ROOF FRAMING PLAN
S2-14 PARTIAL ROOF FRAMING PLANS
S2-20 ROOF COMPONENT & CLADDING
S2-21 TYPICAL WALL SECTIONS
S2-22 TYPICAL WALL SECTIONS
S2-23 LIGHT GAUGE GIRDER TRUSS CONNECTION DETAILS
S2-24 BUILDING SECTION AT ENTRANCE
S2-25 DRIVE THRU BUILDING SECTIONS
S3-10 FOUNDATION PLAN
S3-11 SLAB ON GRADE PLAN
S3-12 WALL LAYOUT PLAN
S3-13 LOW ROOF FRAMING PLAN
S3-14 HIGH ROOF FRAMING PLAN
S3-20 ROOF COMPONENT & CLADDING
S3-21 TYPICAL WALL SECTIONS
S3-22 ENTRANCE TOWER FRAMING DETAILS
S3-23 ENTRANCE TOWER FRAMING
S3-24 BUILDING SECTIONS
S4-10 FOUNDATION PLAN
S4-11 SLAB ON GRADE PLAN - PART A
S4-12 SLAB ON GRADE PLAN - PART B
S4-13 WALL LAYOUT PLAN - PART A
S4-14 WALL LAYOUT PLAN - PART B
S4-15 ROOF FRAMING PLAN - PART A
S4-16 ROOF FRAMING PLAN - PART B
S4-20 ROOF COMPONENT & CLADDING
S4-21 TYPICAL WALL SECTIONS
S4-22 BUILDING SECTIONS
S4-23 BUILDING SECTIONS
SD-30 CONCRETE
SD-31 CONCRETE
SD-40 CONCRETE MASONRY
SD-41 CONCRETE MASONRY
SD-50 STEEL FRAMING
SD-51 STEEL FRAMING
SD-52 STEEL FRAMING
PLUMBING - VOLUME - II
P-00 GENERAL NOTES & LEGEND
P-01 POLICE STATION - WASTE
P-02 POLICE STATION - WATER
P-03 CITY HALL - WASTE
P-04 CITY HALL - WATER
P-05 FIRE STATION - WASTE & STORM
P-06 FIRE STATION - WATER
P-07 FIRE STATION - ROOF PLAN
P-08 PUBLIC WORKS - WASTE
P-09 PUBLIC WORKS - WATER
P-10 POLICE STATION WASTE RISER DIAGRAM
P-11 CITY HALL WASTE RISER DIAGRAM
P-12 FIRE STATION WASTE RISER DIAGRAM
P-13 PUBLIC WORKS WASTE RISER DIAGRAM
P-14 PLUMBING FIXTURE SCHEDULE & DETAILS
P-15 POLICE STATION SCHEDULES AND DETAILS
P-16 CITY HALL SCHEDULES AND DETAILS
P-17 FIRE STATION SCHEDULES AND DETAILS
P-18 PUBLIC WORKS SCHEDULES AND DETAILS
MECHANICAL ENGINEERING - VOLUME - II
M1-00 POLICE STATION HVAC LEGENDS & GENERAL NOTES
M1-01 HVAC ABBREVIATIONS
M1-10 POLICE STATION HVAC NEW WORK
M1-11 POLICE STATION REFRIGERANT PIPING

INDEX OF DRAWINGS

M1-12 POLICE STATION CONDENSATE PIPING
M1-20 POLICE STATION MECH ROOM ELEVATION AND ENLARGED VIEW
M1-50 POLICE STATION DETAILS
M1-51 POLICE STATION DETAILS CONT.
M1-60 POLICE STATION VRF SYSTEM SCHEDULES
M1-61 POLICE STATION HVAC AIR TERMINALS AND EQUIPMENT SCHEDULES
M1-62 POLICE STATION FAN COIL CONTROLS
M1-63 POLICE STATION DOAS AND EXHAUST FAN CONTROLS
M2-00 CITY HALL HVAC LEGENDS & GENERAL NOTES
M2-01 HVAC ABBREVIATIONS
M2-10 CITY HALL HVAC NEW WORK
M2-11 CITY HALL REFRIGERANT PIPING
M2-12 CITY HALL CONDENSATE PIPING
M2-20 CITY HALL MECH ROOM ELEVATION AND ENLARGED VIEWS
M2-50 CITY HALL DETAILS
M2-51 CITY HALL DETAILS CONT.
M2-60 CITY HALL VRF SYSTEM SCHEDULES
M2-61 CITY HALL HVAC AIR TERMINALS AND EQUIPMENT SCHEDULES
M2-62 CITY HALL VRF FAN COIL CONTROLS
M2-63 CITY HALL DOAS AND EXHAUST FAN CONTROLS
M3-00 FIRE STATION HVAC LEGENDS & GENERAL NOTES
M3-01 HVAC ABBREVIATIONS
M3-10 FIRE STATION HVAC NEW WORK
M3-11 FIRE STATION REFRIGERANT PIPING
M3-12 FIRE STATION CONDENSATE PIPING
M3-20 FIRE STATION ELEVATIONS, SECTIONS, AND ENLARGED VIEWS
M3-21 FIRE STATION APP. BAYS SOUTH WALL
M3-50 FIRE STATION DETAILS
M3-51 FIRE STATION DETAILS CONT.
M3-52 FIRE STATION DETAILS CONT.
M3-60 FIRE STATION VRF SYSTEM SCHEDULES
M3-61 FIRE STATION HVAC AIR TERMINALS AND EQUIPMENT SCHEDULES
M3-62 FIRE STATION FCU VRF CONTROLS
M3-63 FIRE STATION DOAS AND EXHAUST FAN CONTROLS
M3-64 FIRE STATION APPARATUS BAY HEAT AND EXHAUST CONTROLS
M4-00 FIRE STATION CIRCULATION MISC. CONTROLS SEQUENCES
M4-01 PUBLIC WORKS HVAC LEGENDS & GENERAL NOTES
M4-10 HVAC ABBREVIATIONS
M4-11 PUBLIC WORKS AREA A HVAC NEW WORK
M4-12 PUBLIC WORKS AREA B HVAC NEW WORK
M4-13 PUBLIC WORKS AREA A REFRIGERANT PIPING
M4-14 PUBLIC WORKS AREA B REFRIGERANT PIPING
M4-15 PUBLIC WORKS AREA A CONDENSATE PIPING
M4-20 PUBLIC WORKS AREA B CONDENSATE PIPING
M4-21 PUBLIC WORKS MAINTENANCE BAY WALL ELEVATIONS
M4-22 PUBLIC WORKS MECHANICAL ROOM ELEVATION AND ENLARGED VIEW
M4-23 PUBLIC WORKS WATER AND SEWER BAYS WALL ELEVATIONS
M4-24 PUBLIC WORKS PARKS AND STREETS BAYS WALL ELEVATIONS
M4-50 PUBLIC WORKS DETAILS
M4-51 PUBLIC WORKS DETAILS CONT.
M4-52 PUBLIC WORKS DETAILS CONT.
M4-60 PUBLIC WORKS VRF SYSTEM SCHEDULES
M4-61 PUBLIC WORKS HVAC AIR TERMINALS AND EQUIPMENT SCHEDULES
M4-62 PUBLIC WORKS VRF FAN COILS SEQUENCE
M4-63 PUBLIC WORKS DOAS, EF, AND CF SEQUENCES
M4-64 PUBLIC WORKS BAY CONTROLS SEQUENCE
M4-65 PUBLIC WORKS MAINTENANCE BAY CONTROLS SEQUENCE
ELECTRICAL - VOLUME - II
E0.01 ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES
E0.02 ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES
E1.10 ELECTRICAL SITE PLAN
E1.12 LIGHTING SCHEDULES
E1.15 POLICE STATION ONE-LINE DIAGRAM
E1.17 ELECTRICAL SCHEDULES
E1.20 POLICE STATION LIGHTING PLAN
E1.30 POLICE STATION POWER PLAN
E1.40 POLICE STATION FIRE ALARM PLAN
E1.50 POLICE STATION HVAC ELECTRICAL PLAN
E1.60 POLICE STATION GROUNDING AND LIGHTNING PROTECTION PLAN
E2.15 CITY HALL ONE-LINE DIAGRAM
E2.17 ELECTRICAL SCHEDULES
E2.20 CITY HALL LIGHTING PLAN
E2.30 CITY HALL POWER PLAN
E2.40 CITY HALL FIRE ALARM PLAN
E2.50 CITY HALL HVAC ELECTRICAL PLAN
E2.60 CITY HALL GROUNDING AND LIGHTNING PROTECTION PLAN
E3.15 FIRE STATION ONE-LINE DIAGRAM
E3.17 ELECTRICAL SCHEDULES
E3.20 FIRE STATION LIGHTING PLAN
E3.30 FIRE STATION POWER PLAN
E3.40 FIRE STATION FIRE ALARM PLAN
E3.50 FIRE STATION HVAC ELECTRICAL PLAN
E3.60 FIRE STATION GROUNDING AND LIGHTNING PROTECTION PLANS
E4.15 PUBLIC WORKS ONE-LINE DIAGRAM
E4.17 ELECTRICAL SCHEDULES
E4.20 PUBLIC WORKS LIGHTING PLAN AREA A
E4.21 PUBLIC WORKS LIGHTING PLAN AREA B
E4.30 PUBLIC WORKS POWER PLAN A
E4.31 PUBLIC WORKS POWER PLAN B
E4.40 PUBLIC WORKS FIRE ALARM PLAN AREA A
E4.41 PUBLIC WORKS FIRE ALARM PLAN AREA B
E4.50 PUBLIC WORKS HVAC ELECTRICAL PLAN AREA A
E4.51 PUBLIC WORKS HVAC ELECTRICAL PLAN AREA B
E4.60 PUBLIC WORKS GROUNDING AND LIGHTNING PROTECTION PLAN
E9.01 CONDUIT DETAILS
E9.02 GROUNDING DETAILS
E9.03 LIGHTNING PROTECTION DETAILS
FIRE SPRINKLER - VOLUME - II
FX-0.1 FIRE SPRINKLER GENERAL NOTES AND RISER DIAGRAM
FX-1.1 POLICE - FIRE SPRINKLER PLAN
FX-2.1 CITY HALL - FIRE SPRINKLER PLAN
FX-3.1 FIRE STATION - FIRE SPRINKLER PLAN
FX-4.1 PUBLIC WORKS AREA A - FIRE SPRINKLER PLAN
FX-4.2 PUBLIC WORKS AREA B - FIRE SPRINKLER PLAN
LANDSCAPE - VOLUME - III
IR.1 IRRIGATION PLAN
IR.2 IRRIGATION DETAILS
LS.1 LANDSCAPE PLAN
LS.2 LANDSCAPE DETAILS

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City of Springfield
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Table with columns: DATE, DESIGNED BY, DRAWN BY, CHECKED BY, PROJECT ARCHITECT, PROJECT MANAGER, PROJECT NO., DATE, REV., DESCRIPTION

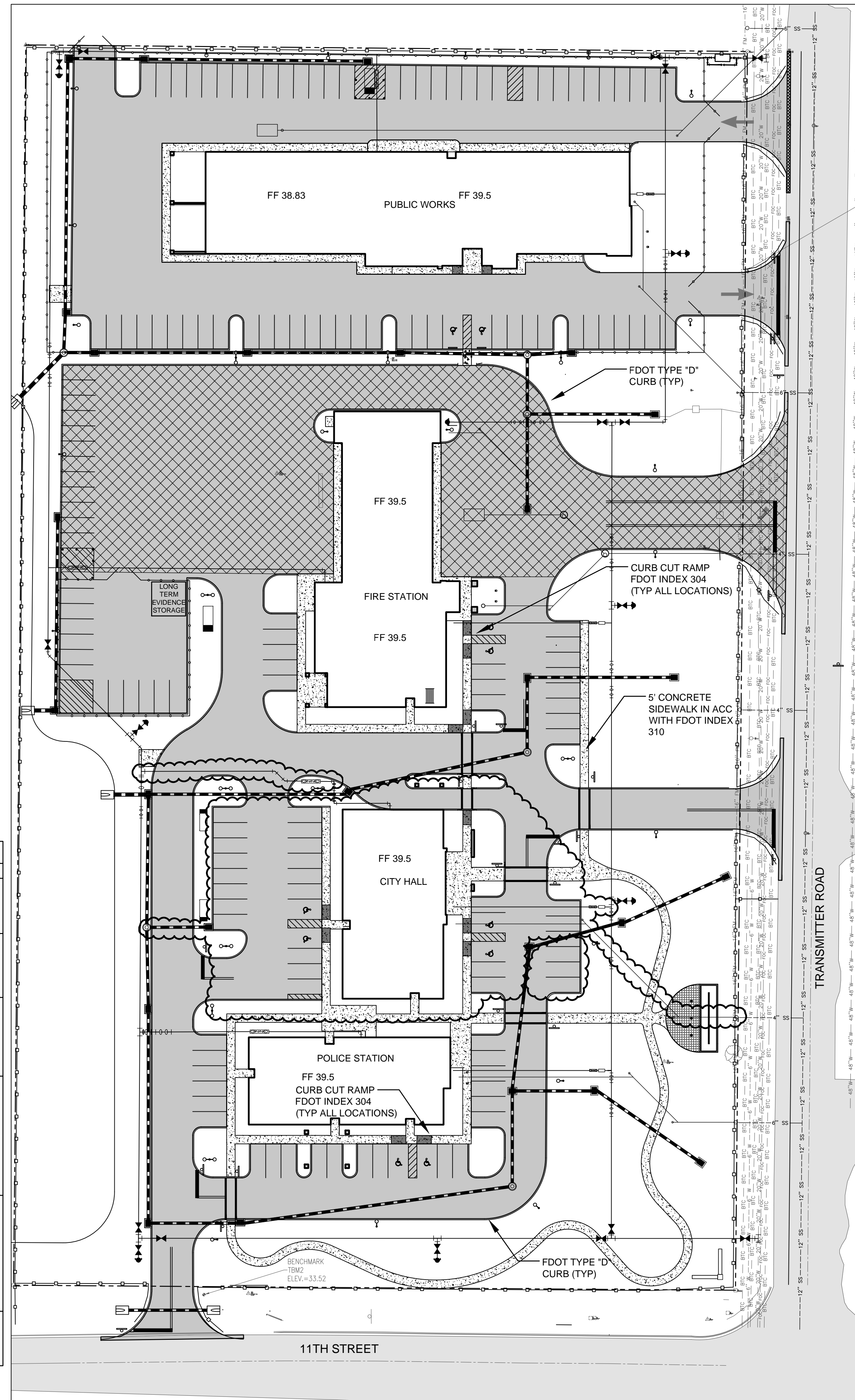
ISSUED FOR BIDS-AUGUST 2024
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SHEET TITLE: INDEX OF DRAWINGS
SHEET NUMBER: G-02

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GENERAL NOTES

1. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE PHYSICALLY VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT PURPORT TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING.
2. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXPLORATIONS AND EXCAVATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING, WHENEVER NECESSARY. THE OWNER RESERVES THE RIGHT TO CHANGE LOCATION OF LINES TO AVOID CONFLICT WITH EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF WORK CALLED FOR IN THESE CONTRACT DOCUMENTS AT HIS OWN EXPENSE.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LEARN, KNOW, AND COMPLY WITH THE REGULATIONS, ORDINANCES, PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL SCHEDULE THE REQUIRED INSPECTIONS AND APPROVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE NECESSARY AGENCIES OF CONSTRUCTION COMMENCEMENT.
6. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN ADEQUATE TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES. ROAD CLOSURES MUST BE PRE-APPROVED BY THE OWNER AND ANY OTHER GOVERNING AGENCIES. IN ADDITION, THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN GAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
7. THE CONTRACTOR IS ADVISED THAT GROUNDWATER LEVELS VARY WITH WEATHER CONDITIONS AND SEASONAL CHANGES. THE DEWATERING OR REMOVAL OF WATERS FROM EXCAVATIONS IN THE COURSE OF CONSTRUCTING THIS PROJECT SHALL NOT BE GROUNDS FOR CHANGED CONDITIONS.
8. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED, AS DIRECTED IN THE FIELD.
9. THE CONTRACTOR SHALL OBTAIN AND HAVE ON SITE ALL PERMITS PRIOR TO CONSTRUCTION. DEP (EXCLUDING NPDES), DOT, AND COUNTY, PERMITS SHALL BE FURNISHED BY THE CITY. THE CONTRACTOR SHALL OBTAIN ALL OTHER REQUIRED PERMITS.
10. PRIOR TO COMMENCING CONSTRUCTION, CONTRACTOR SHALL INSTALL ANY REQUIRED SILT FENCING AND / OR OTHER EROSION CONTROL MEASURES FOR SILT CONTROL.
11. THE CONTRACTOR SHALL INSTALL ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT IN ACCORDANCE WITH THE LATEST EDITION OF THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. ALL EXISTING CONCRETE, ASPHALT, MANHOLES, PIPES, TREES, STUMPS, AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FLORIDA LAWS.
13. WHERE IT BECOMES NECESSARY TO TEMPORARILY REMOVE, REPOSITION, OR SUPPORT EXISTING FACILITIES, STORMDRAIN STRUCTURES, UTILITY POLES, ETC., THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER OF THE EXISTING FACILITY, UTILITY POLE, ETC. THE CONTRACTOR SHALL GIVE PROPER NOTICE TO THE UTILITIES.
14. THE CONTRACTOR SHALL PHYSICALLY EXAMINE THE ENTIRE PROJECT SITE TO BECOME FULLY INFORMED IN REGARD TO ALL CONDITIONS PERTAINING TO THE PLACE WHERE THE WORK IS TO BE PERFORMED FOR PURPOSE OF DETERMINING HIS COST TO PERFORM THE WORK. THE CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO AREAS INVOLVING CLEARING AND GRUBBING, EXISTING FACILITIES REMOVAL AND REPLACEMENT, SUPPORT OR RELOCATION, AND WORK INVOLVED ADJACENT TO WETLAND AREAS.
15. ALL SIDEWALK AND CURB CUT RAMPS SHALL BE IN ACCORDANCE WITH FDOT INDEX 310 AND 304.



LEGEND

○	EXISTING SEWER MANHOLE
— 12" SS —	EXISTING GRAVITY SEWER
■	NEW STORM DRAIN INLET
⊙	NEW STORM DRAIN MANHOLE
▣	NEW MITERED END SECTION
—	NEW STORM DRAIN PIPE
●	NEW SEWER MANHOLE
—	NEW GRAVITY SEWER
X	NEW GATE VALVE
—	NEW WATER LINE
▨	NEW ASPHALT
▩	NEW HD ASPHALT
▧	NEW CONCRETE

ALL CIVIL SITE WORK, UTILITIES, OR ANY OTHER IMPROVEMENTS SHOWN INSIDE THE CLOUD FOR THE NEW CITY HALL, SHALL BE INCLUDED IN BID SCHEDULE #2 "CITY HALL - CITYCOMPLEX".

ALL CIVIL SITE WORK, UTILITIES, OR ANY OTHER IMPROVEMENTS SHOWN OUTSIDE THE CLOUD, SHALL BE INCLUDED IN BID SCHEDULE #1 "CIVIL SITE WORK - CITY COMPLEX".

TESTING SCHEDULE				
ITEM	TEST	TEST IDENTIFICATION	TEST REQUIREMENT	TEST FREQUENCY
UTILITY TRENCH FILL & BACKFILL	MAXIMUM DENSITY	AASHTO T-180	N/A	PER SOIL TYPE
	OPTIMUM MOISTURE	ASTM D-1557		
	FIELD DENSITY	AASHTO T-191	98% OF MODIFIED PROCTOR	ONE PER EVERY 300 LF HORIZONTALLY, WITH A MINIMUM OF ONE PER LIFT. THE LOCATION OF EACH TEST WILL BE SELECTED BY THE ENGINEER.
	GRADATION	ASTM D-1556, D-2937, D-6938	(15% PASSING NO. 200)	PER SOIL TYPE
FILL & BACKFILL UNDER ROADWAYS AND STRUCTURES	MAXIMUM DENSITY	AASHTO T-180	N/A	PER SOIL TYPE
	OPTIMUM MOISTURE	ASTM D-1557		
	FIELD DENSITY	AASHTO T-191	98% OF MODIFIED PROCTOR	ONE PER EVERY 300 LF HORIZONTALLY, WITH A MINIMUM OF ONE PER LIFT. THE LOCATION OF EACH TEST WILL BE SELECTED BY THE ENGINEER.
	GRADATION	ASTM D-1556, D-2937, D-6938	(15% PASSING NO. 200)	ONE PER SOIL TYPE
SUB GRADE	BEARING VALUES	LBR-FDOT 5-515	40 (MIN.)	ONE PER SITE OR AT MATERIAL CHANGES
	MAXIMUM DENSITY	AASHTO T-180	N/A	PER SOIL TYPE
	OPTIMUM MOISTURE	ASTM D-1557		
	FIELD DENSITY & THICKNESS	AASHTO T-191	98% OF MAXIMUM DENSITY	ONE PER 300 LF HORIZONTAL WITH A MINIMUM OF 3 TESTS
BASE (SAND-ASPHALT)	MARSHALL STABILITY TESTS	FDOT FM 5-511	500 LBS. (MIN.)	ONE PER SITE AS MATERIAL CHANGES
	FIELD DENSITY & THICKNESS	ASTM D-2950	95% OF LAB DENSITY AS DETERMINED BY MARSHALL METHOD	ONE PER 300 LF HORIZONTAL WITH A MINIMUM OF 3 TESTS
	BEARING VALUES	FDOT FM 5-515	100 (MIN.)	ONE PER SUPPLIER WITH A MINIMUM OF 3 TESTS
BASE (LIMEROCK)	FIELD DENSITY & THICKNESS	AASHTO T-180, ASTM D-1557	98% OF MAXIMUM DENSITY	ONE PER 250 LF HORIZONTAL WITH A MINIMUM OF 3 TESTS
		AASHTO T-191		
		ASTM D-1556, D-2937, D-6938		
ASPHALT	MATERIALS QUALITY	AASHTO T-164, 5-30	FDOT SPEC. 330, 331, 916	ONE PER DAY FOR GRADATION
	BITUMEN CONTENT & GRADATION	ASTM D-2172	FDOT SPEC. 330, 331, 916	
	FIELD DENSITY & THICKNESS	ASTM D-2950	95% OF LAB DENSITY	ONE PER 300 LF HORIZONTAL WITH A MINIMUM OF 3 TESTS
	AGGREGATE CERTIFICATION	N/A	FDOT SPEC. 901, 902	ONE PER SUPPLIER
CONCRETE (MISC. SITE WORK)	MARSHALL STABILITY & DENSITY	FDOT FM 5-11	FDOT SPEC 331	ONE PER DAY
	SLUMP TEST	AASHTO T-119	2" TO 3"	AS REQUIRED BY SOILS ENGINEER OR ONE PER SET OF CYLINDERS
	COMPRESSIVE STRENGTH	ASTM C-143	3000 PSI	ONE SET OF 3 CYLINDERS PER 50 CY PER DAY
	AIR CONTENT	AASHTO T-23, TP-20	3% TO 6%	ONE PER SET OF CYLINDERS
		ASTM C-31, C-39		
		AASHTO T-356, 152, 196, 121		

NOTES:
 1) CONCRETE FOR SITE WORK INCLUDES BUT IS NOT LIMITED TO CURB, CURB & CUTTER, SIDEWALKS ETC., EXCEPT CONCRETE PAVEMENT.
 2) WHERE THERE IS A DISCREPANCY BETWEEN THIS TESTING SCHEDULE AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

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 Engineers EB - 0000156
 Surveyors LS - 0000783

Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX
 City of Springfield
 1141 TRANSMITTER RD
 SPRINGFIELD, FLORIDA 32401

DATE	REV.	REVISION DESCRIPTION
05-16-22		C. ELKINS
		C. ELKINS
		A. ZAFAR
		T. PITTS

ISSUED FOR BIDS - AUGUST 2024

DESIGNED BY: C. ELKINS
 DRAWN BY: C. ELKINS
 PROJECT ENGINEER: A. ZAFAR
 PROJECT MANAGER: T. PITTS
 M.M. PROJECT NUMBER: 502100062-004

THIS DRAWING IS NOT FOR CONSTRUCTION

SHEET TITLE:
PROJECT LAYOUT AND GENERAL NOTES

SHEET NUMBER:
G1.0

SPRINGFIELD CITY COMPLEX

City of Springfield
 1141 TRANSMITTER RD
 SPRINGFIELD, FLORIDA 32401

DATE	REV.	REVISION DESCRIPTION
05-18-22		
DESIGNED BY:	C. ELKINS	
DRAWN BY:	C. ELKINS	
PROJECT ENGINEER:	A. ZAFAR	
PROJECT MANAGER:	T. PITTS	
M.M. PROJECT NUMBER:	502100062-004	

ISSUED FOR BIDS - AUGUST 2024

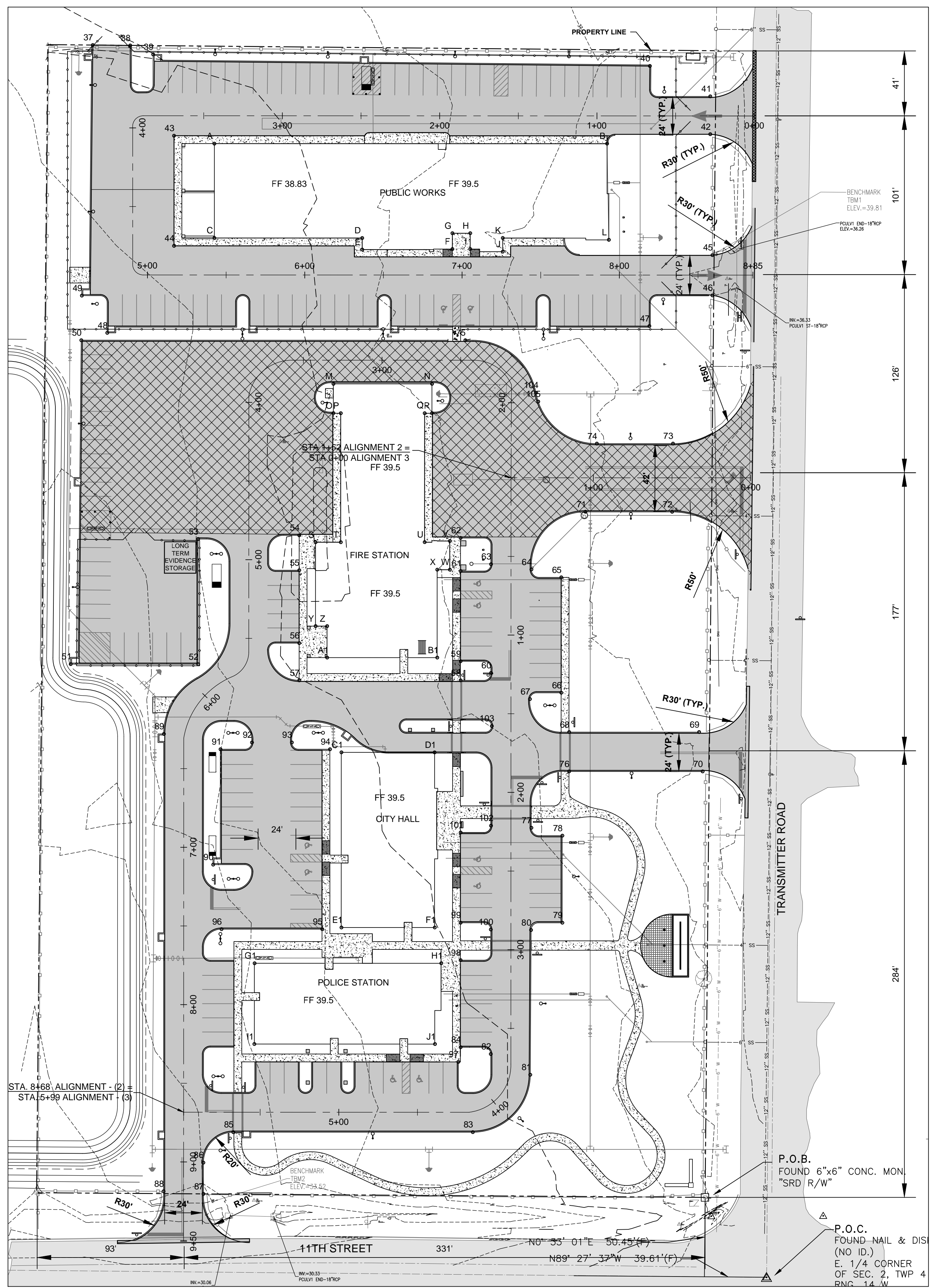
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SHEET TITLE:
GEOMETRIC LAYOUT

SHEET NUMBER:
G2.0

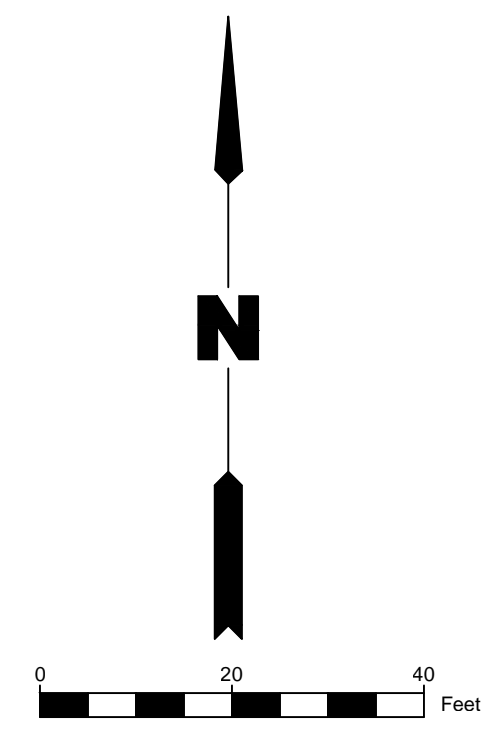
Point #	Northing	Easting
37	427116.0283	1618004.2381
38	427115.7882	1618028.0291
39	427110.0786	1618042.6276
40	427102.7380	1618358.3805
41	427083.4097	1618396.7813
42	427059.3704	1618396.7813
43	427058.3883	1618055.8902
44	426988.3907	1618055.8902
45	426982.5136	1618398.1795
46	426956.8907	1618398.1795
47	426937.3867	1618358.0826
48	426933.0870	1618013.4432
49	426956.7619	1617997.2926
50	426928.3870	1617996.9432
51	426722.4966	1617990.2160
52	426722.4544	1618071.2519
53	426802.0384	1618071.2519
54	426804.3747	1618135.5102
55	426782.1917	1618135.5102
56	426735.8535	1618135.5102
57	426712.1945	1618135.5102
58	426712.1945	1618238.0850
59	426724.3516	1618238.0850
60	426716.9045	1618257.4142
61	426781.6913	1618238.0850
62	426802.7139	1618238.0850
63	426786.0213	1618257.4142
64	426782.6773	1618283.0842
65	426777.6773	1618302.0850
66	426704.3373	1618302.0850
67	426700.2986	1618282.1331
68	426679.3218	1618307.0850
69	426679.3218	1618389.7037
70	426654.3074	1618391.9580
71	426819.3558	1618317.4142
72	426819.3558	1618372.5489

Point #	Northing	Easting
73	426862.6958	1618373.1032
74	426862.6958	1618324.6940
75	426928.3870	1618241.0913
76	426654.3169	1618307.0850
77	426618.4757	1618283.0859
78	426613.4757	1618302.7646
79	426558.1357	1618302.7646
80	426553.4916	1618282.8628
81	426461.4756	1618282.3450
82	426474.6655	1618257.2621
83	426425.0003	1618245.8396
84	426478.9950	1618238.1075
85	426424.9915	1618093.5558
86	426405.6270	1618074.5463
87	426385.7430	1618074.5819
88	426387.4051	1618049.2515
89	426678.1048	1618049.4372
90	426595.0513	1618080.7816
91	426668.3886	1618085.4462
92	426672.7184	1618105.4446
93	426672.7184	1618130.7836
94	426668.3944	1618155.0385
95	426554.0532	1618150.1041
96	426554.0532	1618086.1092
97	426469.6675	1618236.6365
98	426534.3307	1618238.0937
99	426558.1357	1618238.0937
100	426553.8058	1618257.2749
101	426615.4753	1618238.0934
102	426619.8053	1618257.4142
103	426683.1516	1618257.9140
104	426894.9912	1618285.9982
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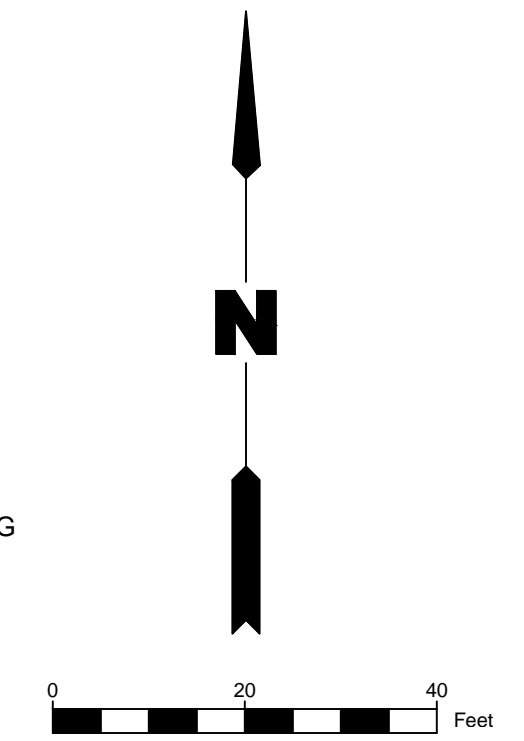
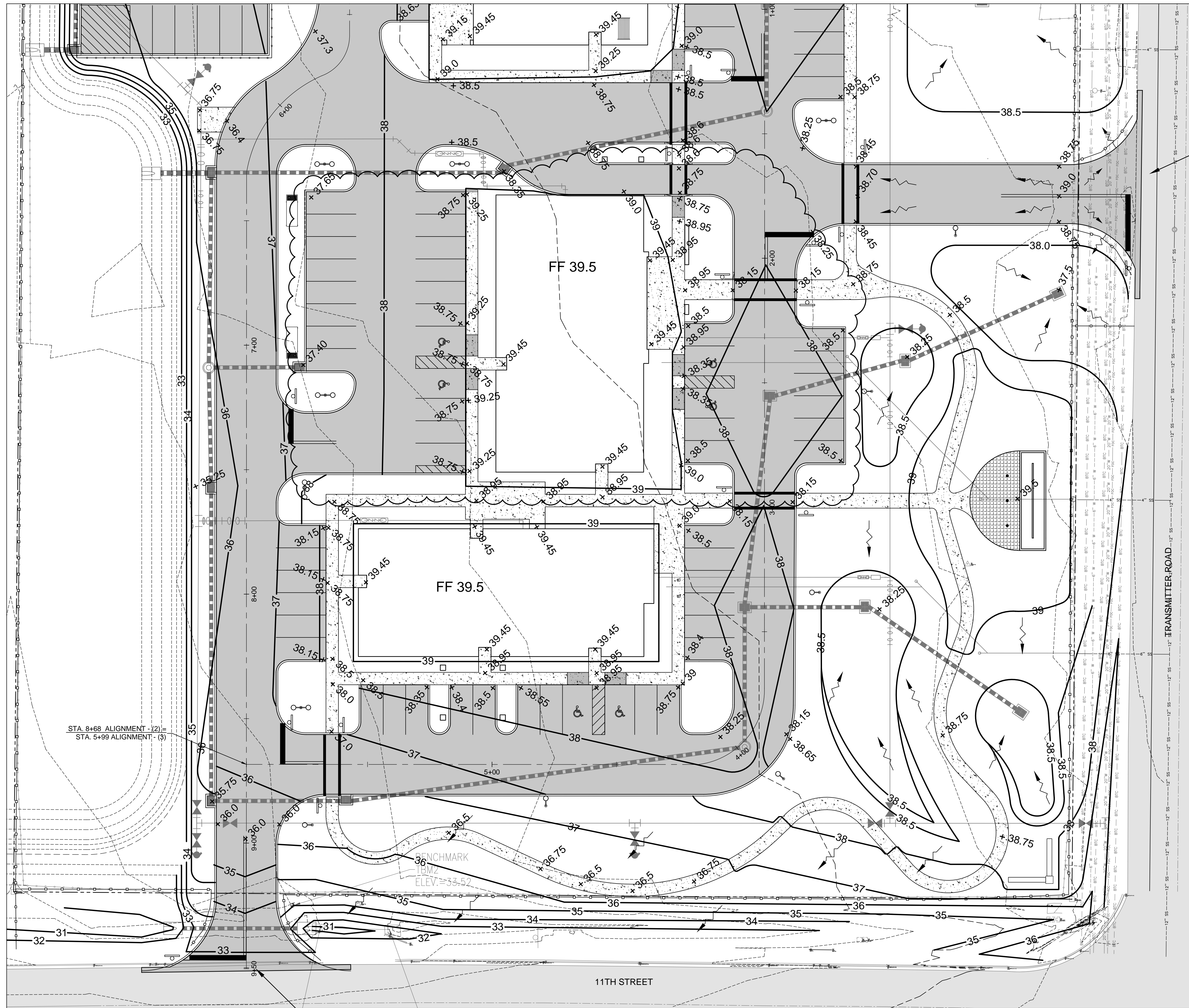


LEGEND

	NEW ASPHALT
	NEW HD ASPHALT
	NEW CONCRETE



Point #	Northing	Easting
A	427053.3612	1618081.5595
B	427053.3612	1618331.1934
C	426993.3907	1618081.5595
D	426993.3636	1618175.5282
E	426986.0303	1618175.5538
F	426986.3632	1618232.8612
G	426996.4224	1618232.8612
H	426996.4224	1618244.1947
I	426986.3632	1618244.1947
J	426984.6970	1618264.8615
K	426993.3907	1618264.8849
L	426992.2282	1618332.3288
M	426900.6675	1618157.2373
N	426900.6675	1618219.9040
O	426882.0474	1618157.2373
P	426882.0009	1618161.9042
Q	426882.0009	1618215.2373
R	426882.0474	1618219.9040
S	426800.0009	1618145.9040
T	426800.0009	1618161.9040
U	426800.0507	1618215.2373
V	426800.7921	1618231.2529
W	426782.5421	1618231.2529
X	426782.5421	1618223.2373
Y	426746.6676	1618145.9040
Z	426746.6676	1618153.2373
A1	426726.6676	1618153.2373
B1	426726.6676	1618223.2373
C1	426666.4274	1618162.3219
D1	426666.3922	1618221.5453
E1	426555.0942	1618162.3219
F1	426555.0942	1618221.6552
G1	426532.3442	1618107.1136
H1	426532.3442	1618225.7802
I1	426481.0109	1618106.9552
J1	426481.0000	1618221.7802



LEGEND

- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW MITERED END SECTION
- NEW STORM DRAIN PIPE
- NEW SEWER MANHOLE
- NEW GRAVITY SEWER
- NEW GATE VALVE
- NEW WATER LINE

ALL GRADING AND PAVING WORK INSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #2 "CITY HALL - CITY COMPLEX".

ALL GRADING AND PAVING WORK OUTSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #1 "CIVIL SITE WORK - CITY COMPLEX".

M **MOTT MACDONALD**
 Architects A.A. - C000005
 Engineers E.S. - 000785
 Surveyors L.B. - 000783

Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX
 City of Springfield
 1141 TRANSMITTER RD
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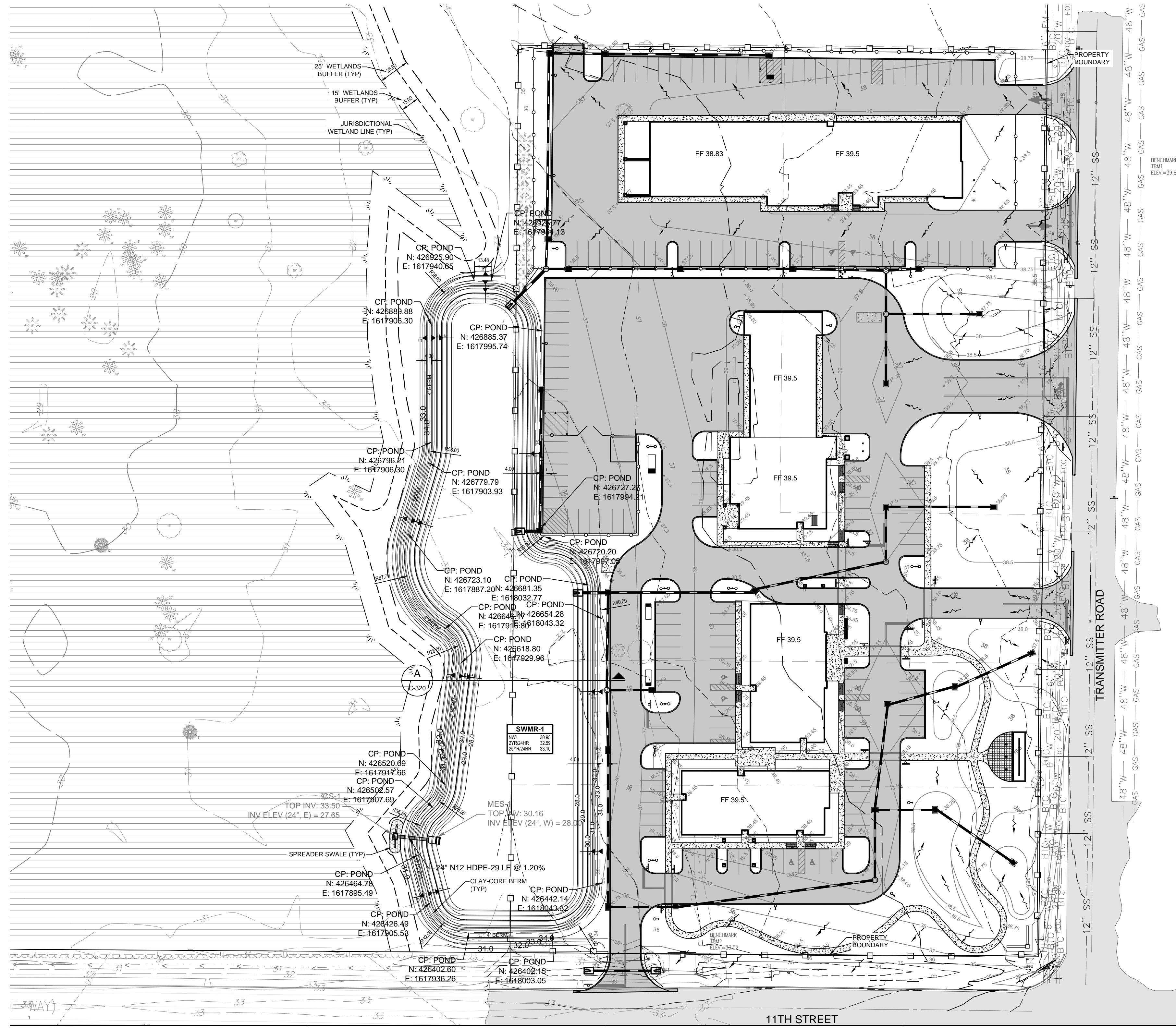
DATE:	DESIGNED BY:	DATE:	REV.	REVISION DESCRIPTION
05-18-22	C. ELKINS			
	C. ELKINS			
	A. ZAFAR			
	T. PITTS			
	M.M. PROJECT NUMBER: 502100062-004			

ISSUED FOR BIDS - AUGUST 2024

THIS DRAWING IS NOT FOR CONSTRUCTION

SHEET TITLE:
GRADING PLAN SOUTH

SHEET NUMBER:
C1.2



- DRAINAGE LEGEND**
- PROPERTY BOUNDARY
 - LIMITS OF WORK
 - EASEMENT LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - GB GRADE BREAK LINE
 - GRADE BREAK LINE HIGH POINT
 - GRADE BREAK LINE LOW POINT
 - DITCH TOP OF BANK
 - DITCH TOE OF SLOPE
 - DITCH CENTERLINE
 - EX. AREA DRAIN PIPE
 - EX. STORM PIPE
 - AREA DRAIN PIPE
 - STORM PIPE
 - UNDER DRAIN PIPE
 - DITCH BOTTOM INLET
 - STORM MANHOLE
 - MITERED END SECTION
 - STORM STRUCTURE LABEL
 - CLEANOUT LABEL
 - SURFACE FLOW ARROW
 - SURFACE FLOW GRADE
 - SIDE SLOPE GRADE
- DRAINAGE KEYNOTES**
- CONNECT TO EXISTING PIPE
 - CONNECT TO EX. PIPE USING DISSIMILAR PIPE CONNECTION COLLAR
 - MATCH EX. PAVEMENT GRADE
 - MATCH PROPOSED GRADE
- DRAINAGE NOTES**
- EX. DRAINAGE STRUCTURES (INLETS, MANHOLES, ETC.) INVERTS AND TOP ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.
 - ALL EX. DRAINAGE STRUCTURES TO REMAIN SHALL REMAIN CLEAR OF SILT, SAND,

ISSUE 05/10/2022
DATE: REVISIONS

#	Description	Date

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PENSACOLA, FL 32502
(850) 432-1912
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Consultant
BRIAN WALKER, P.E. FL REG. NO. 10989

DATE: MAY 10, 2022

**NATURE PARK - CITY OF SPRINGFIELD
PHASE 1 POND IMPROVEMENTS
GRADING AND DRAINAGE PLAN**
E 11TH AVE, SPRINGFIELD, FL 32401

DRAWN BY: Z.TAYLOR
DESIGNED BY: A.MANIERO
CHECKED BY: B.WALKER
PROJECT NO: 07621-0005

SHEET NUMBER
C-301

NWFWM PERMIT PLANS
NOT FOR CONSTRUCTION

MOTT MACDONALD
Architects A.A. 00000005
Engineers E.B. 00001155
Surveyors L.B. 00007813

SPRINGFIELD CITY COMPLEX
City of Springfield
1141 TRANSMITTER RD
SPRINGFIELD, FLORIDA 32401

DATE	DESIGNED BY	DRAWN BY	PROJECT ENGINEER	PROJECT MANAGER	M.M. PROJECT NUMBER	DATE	REV.	REVISION DESCRIPTION
05-16-22	C. ELKINS	C. ELKINS	A. ZAFAR	T. PITTS	502100082-004			

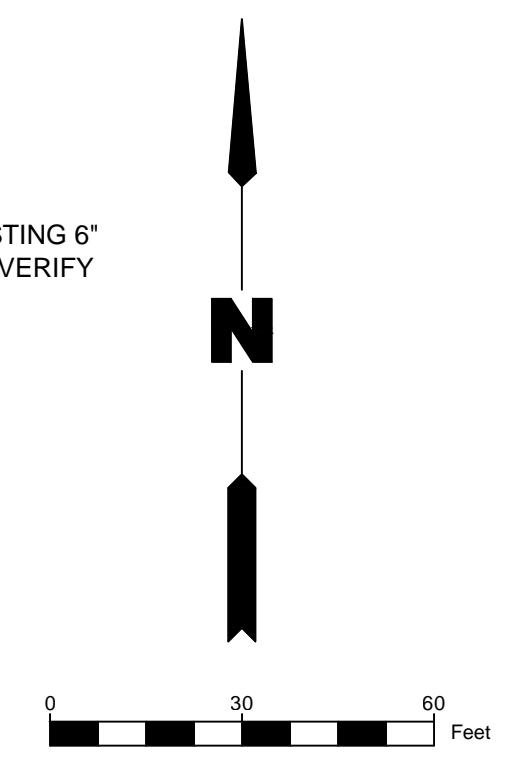
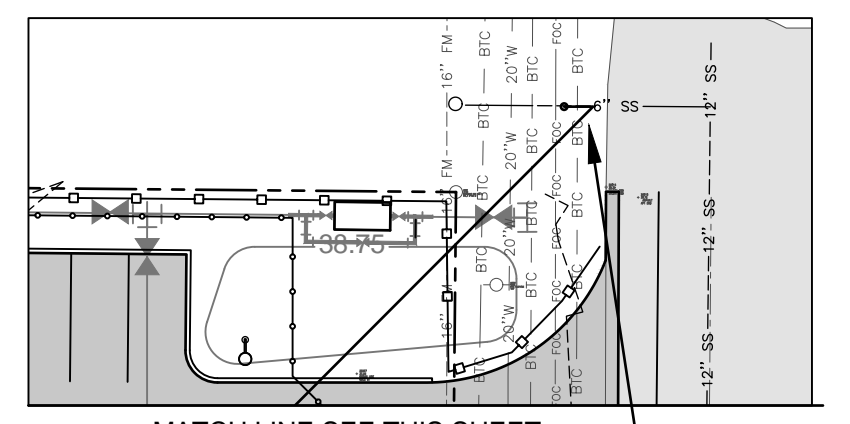
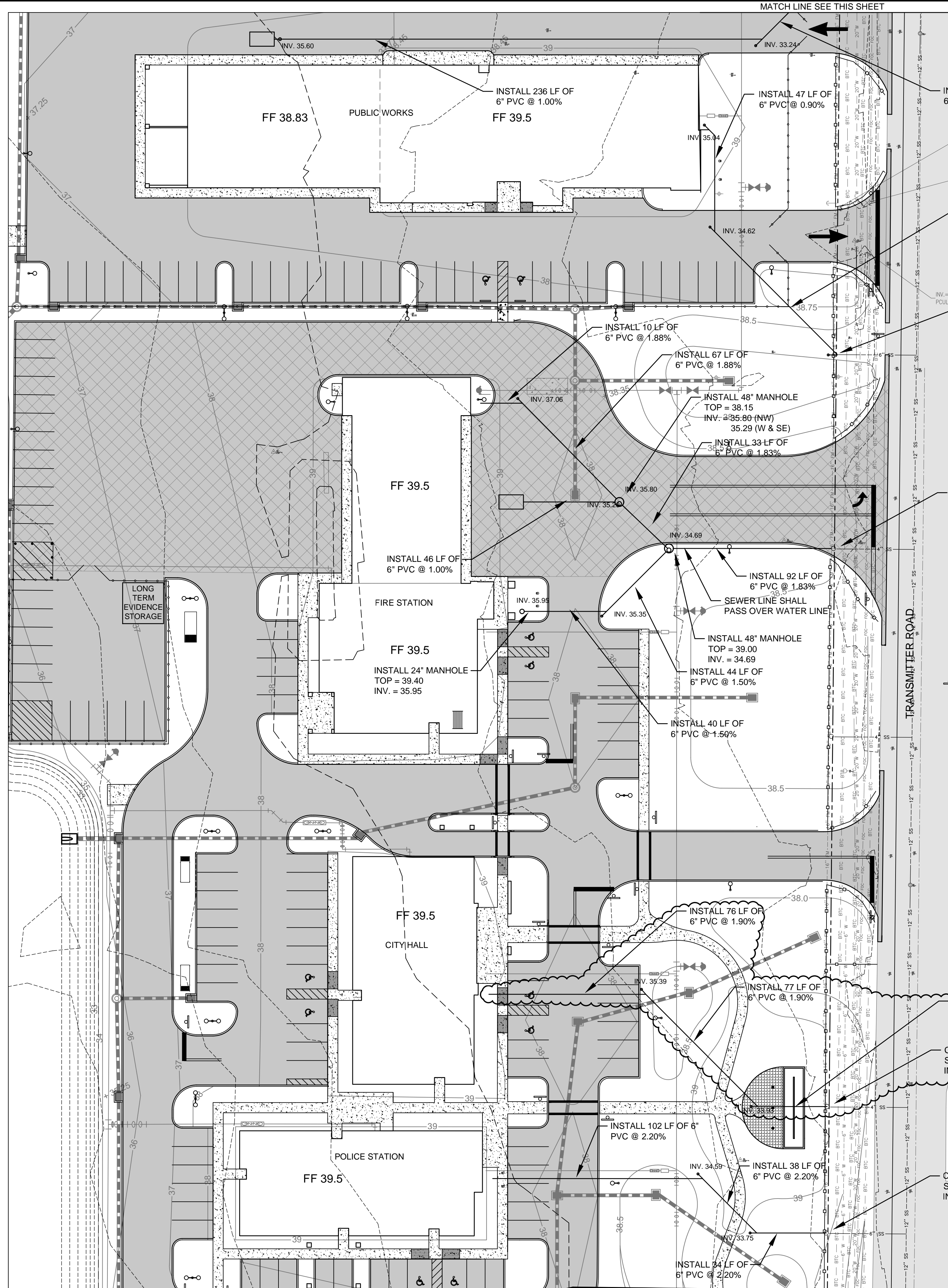
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SHEET TITLE:
GRADING PLAN WEST

SHEET NUMBER:
C1.3

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Mott MacDonald Florida, LLC



LEGEND

- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW MITERED END SECTION
- NEW STORM DRAIN PIPE
- NEW SEWER MANHOLE
- NEW GRAVITY SEWER
- NEW GATE VALVE
- NEW WATER LINE

ALL SANITARY SEWER WORK INSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #2 "CITY HALL - CITY COMPLEX".

ALL SANITARY SEWER WORK OUTSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #1 "CIVIL SITE WORK - CITY COMPLEX"

M MOTT MACDONALD
 Architects A.A. - C000005
 Engineers E.S. - 000185
 Surveyors L.B. - 000783

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Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX

City of Springfield
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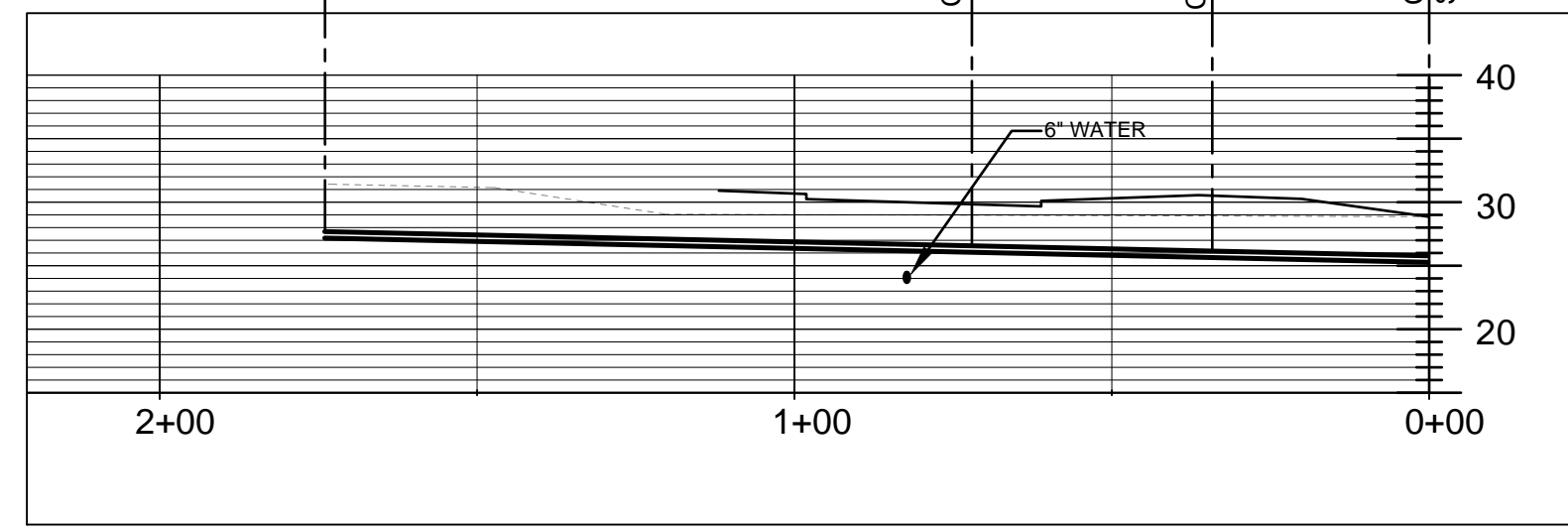
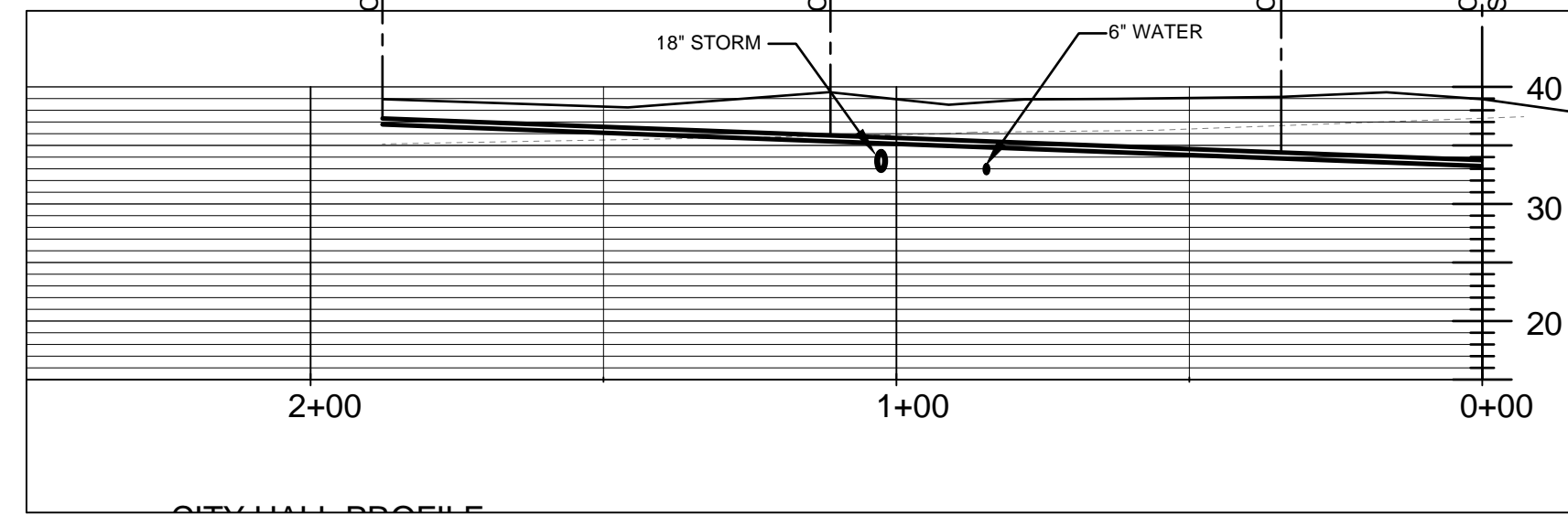
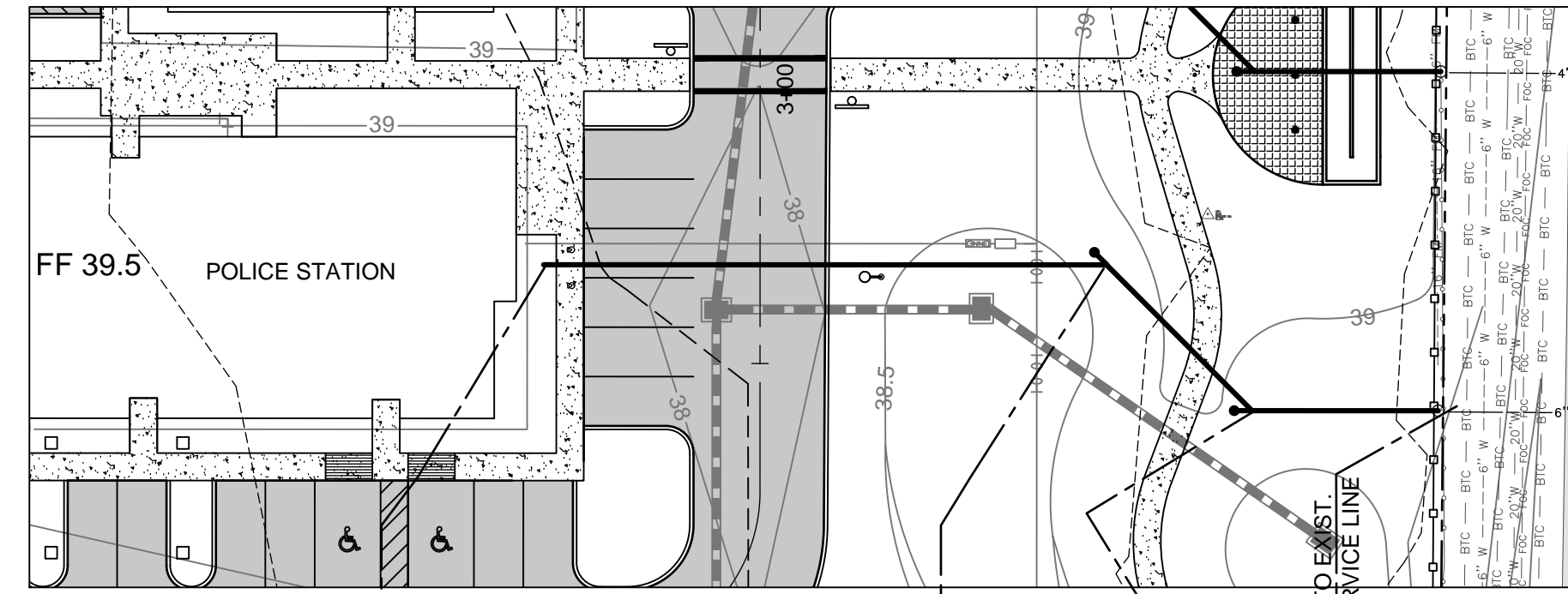
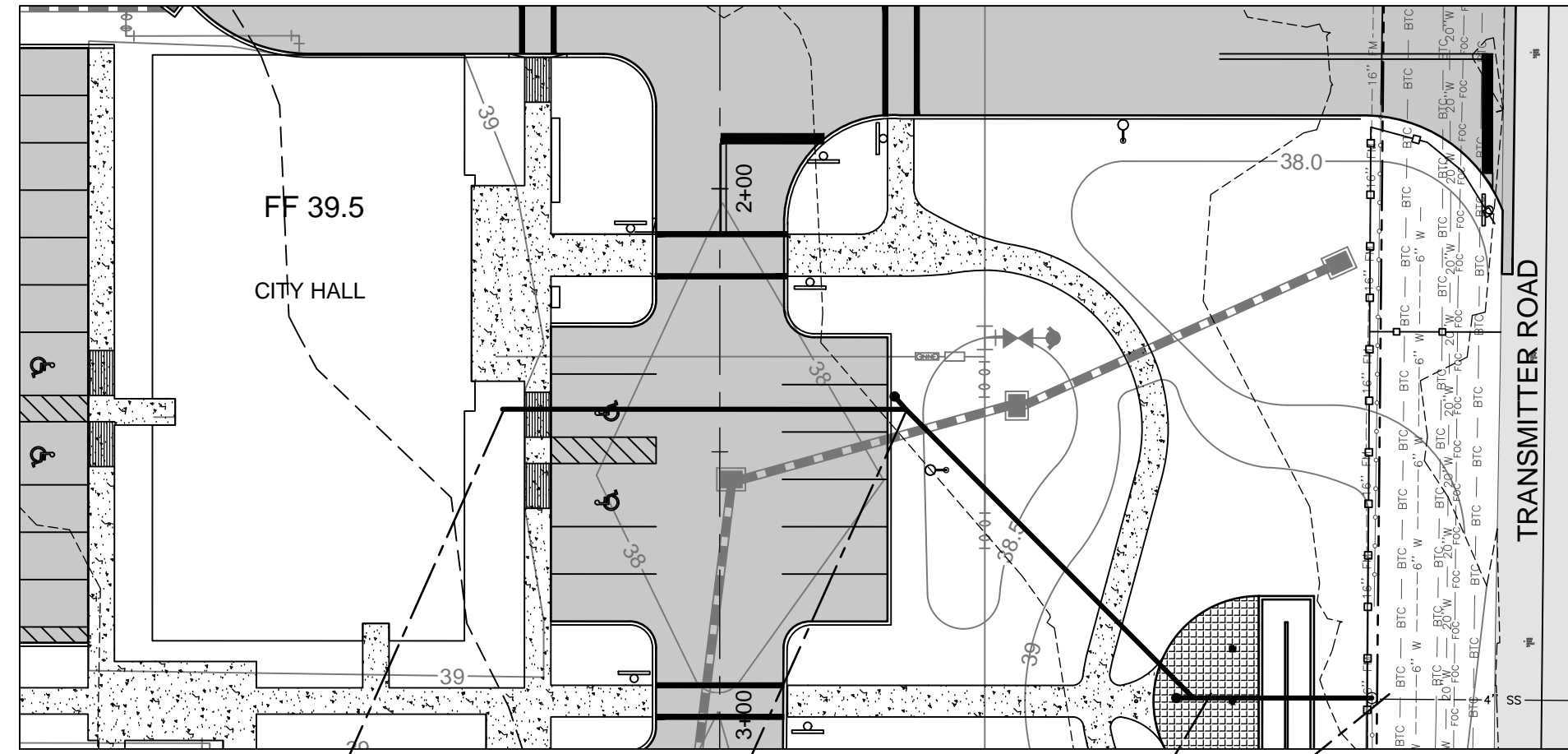
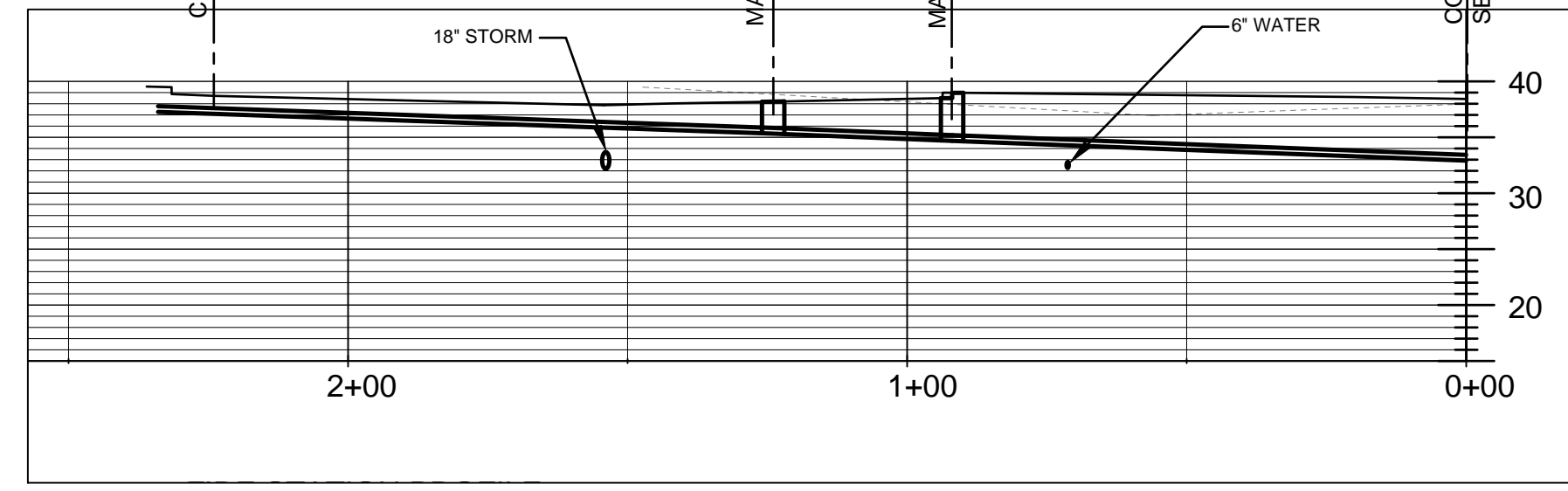
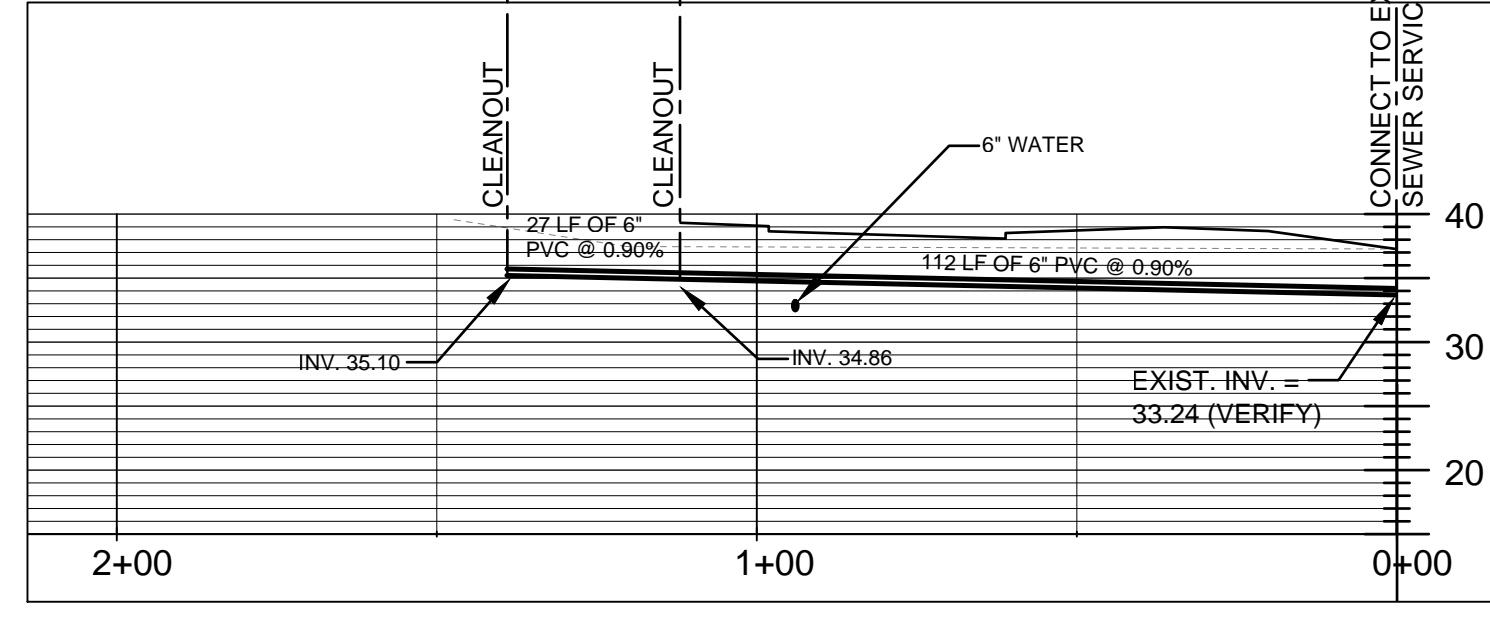
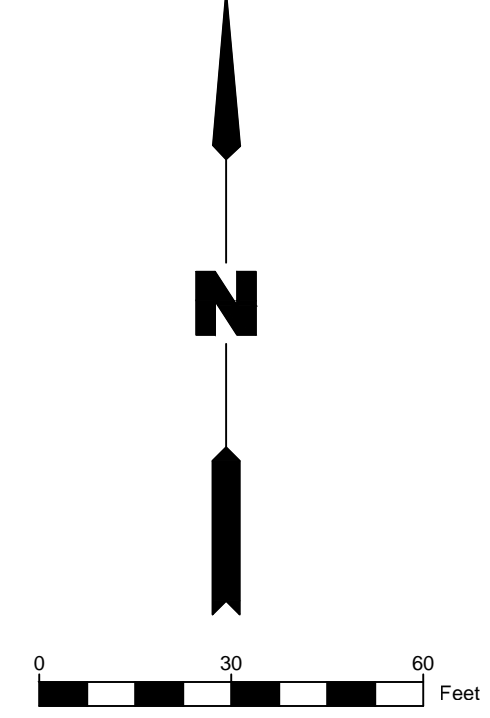
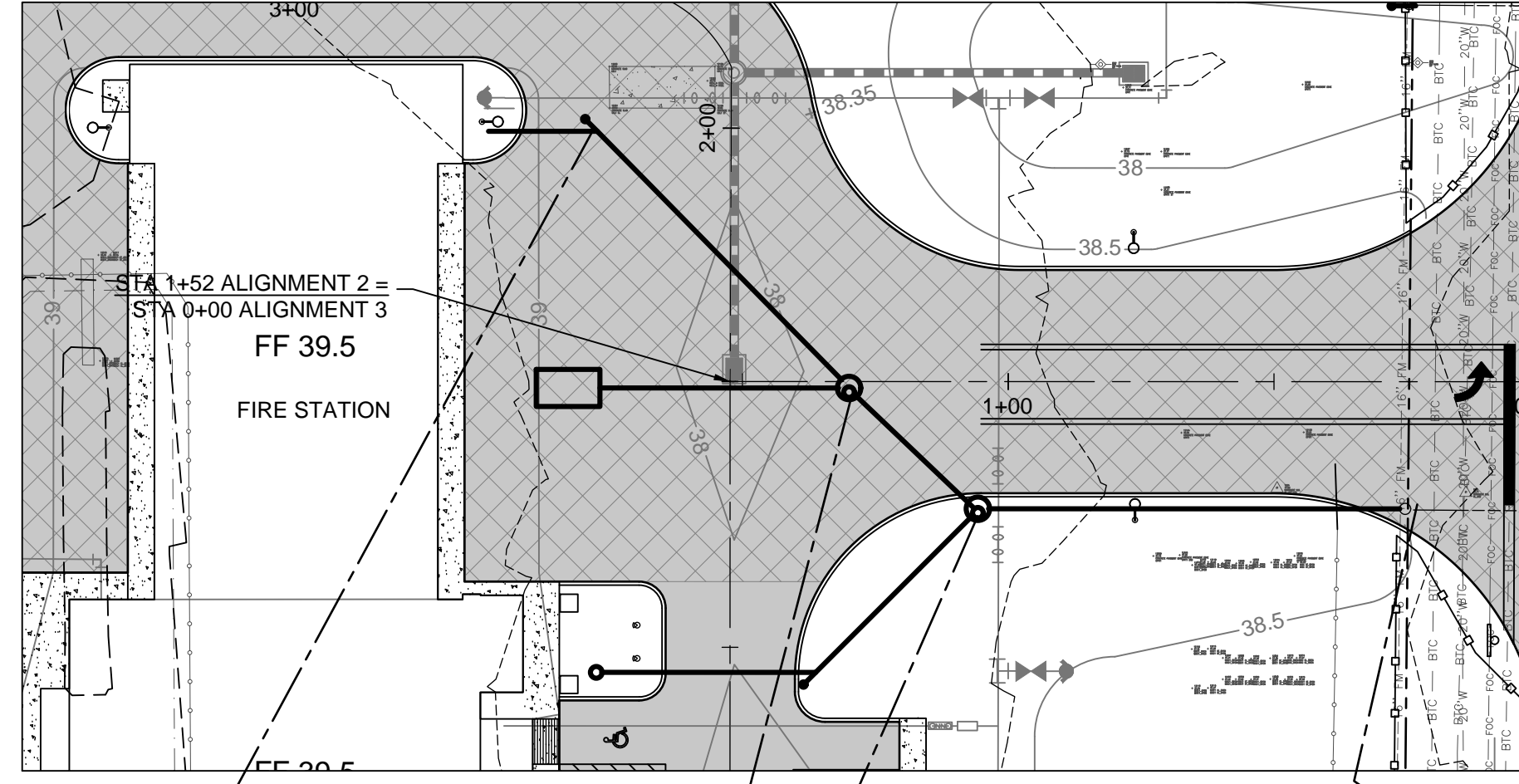
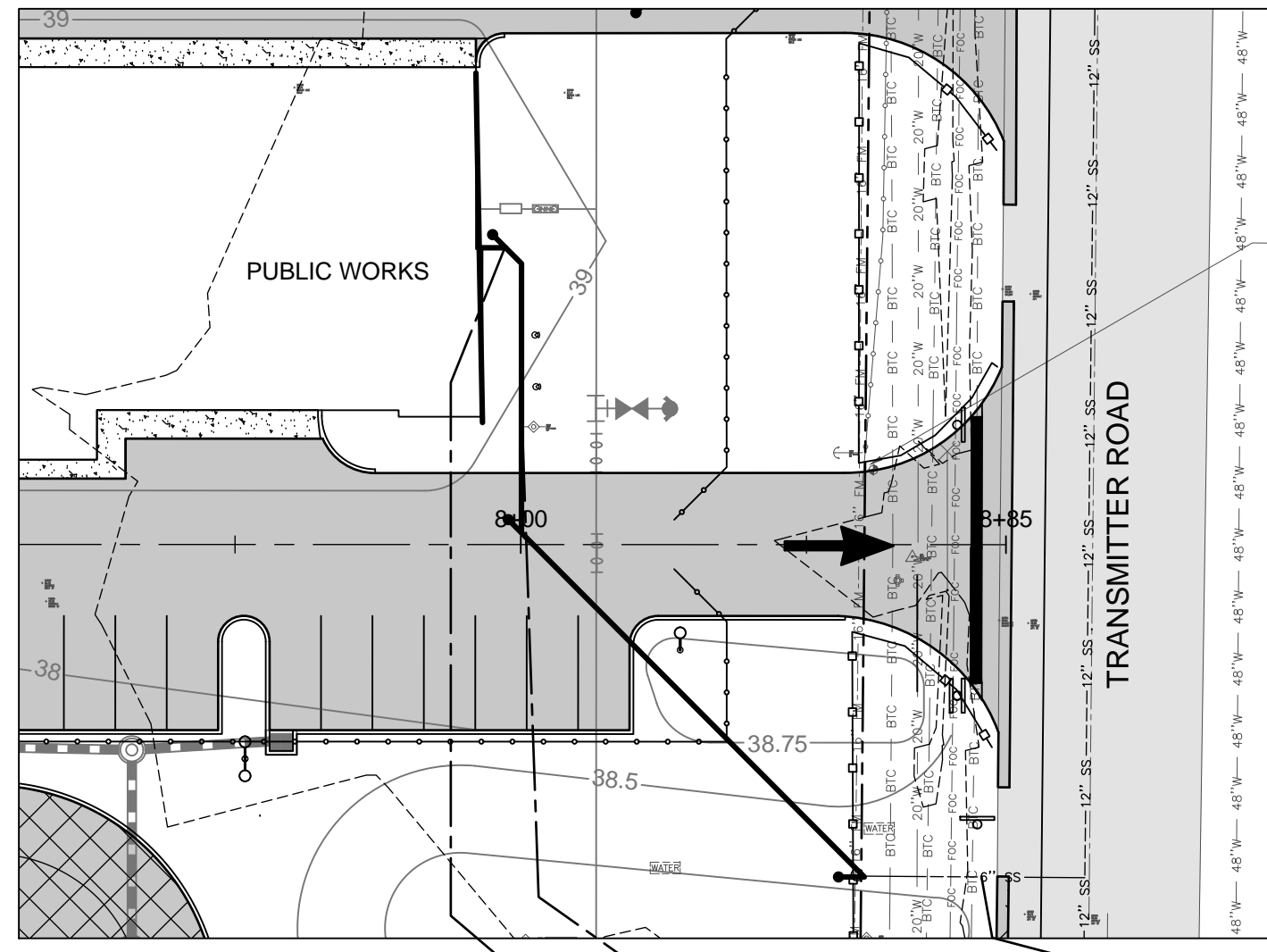
DATE:	DESIGNED BY:	DATE:	REV.	REVISION DESCRIPTION
05-18-22	C. ELKINS			
	C. ELKINS			
	A. ZAFAR			
	T. PITTS			
	M.M. PROJECT NUMBER: 502100062-004			

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SHEET TITLE:
SANITARY SEWER PLAN

SHEET NUMBER:
C2.0



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Surveyors L.B. - 000783
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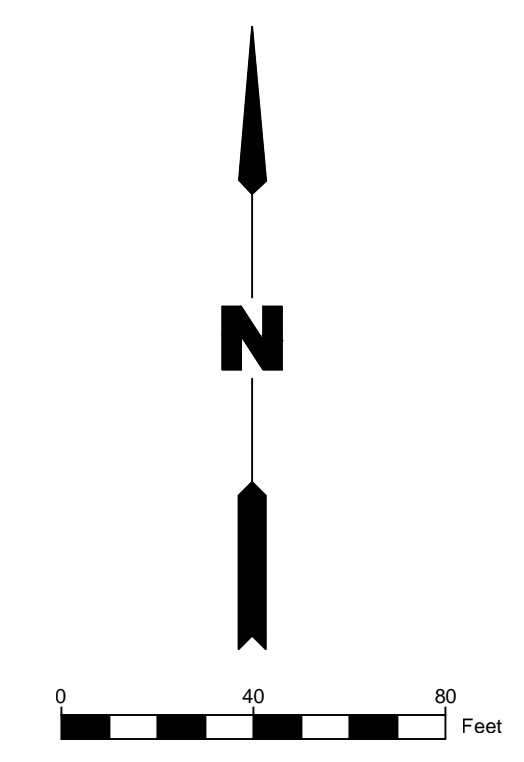
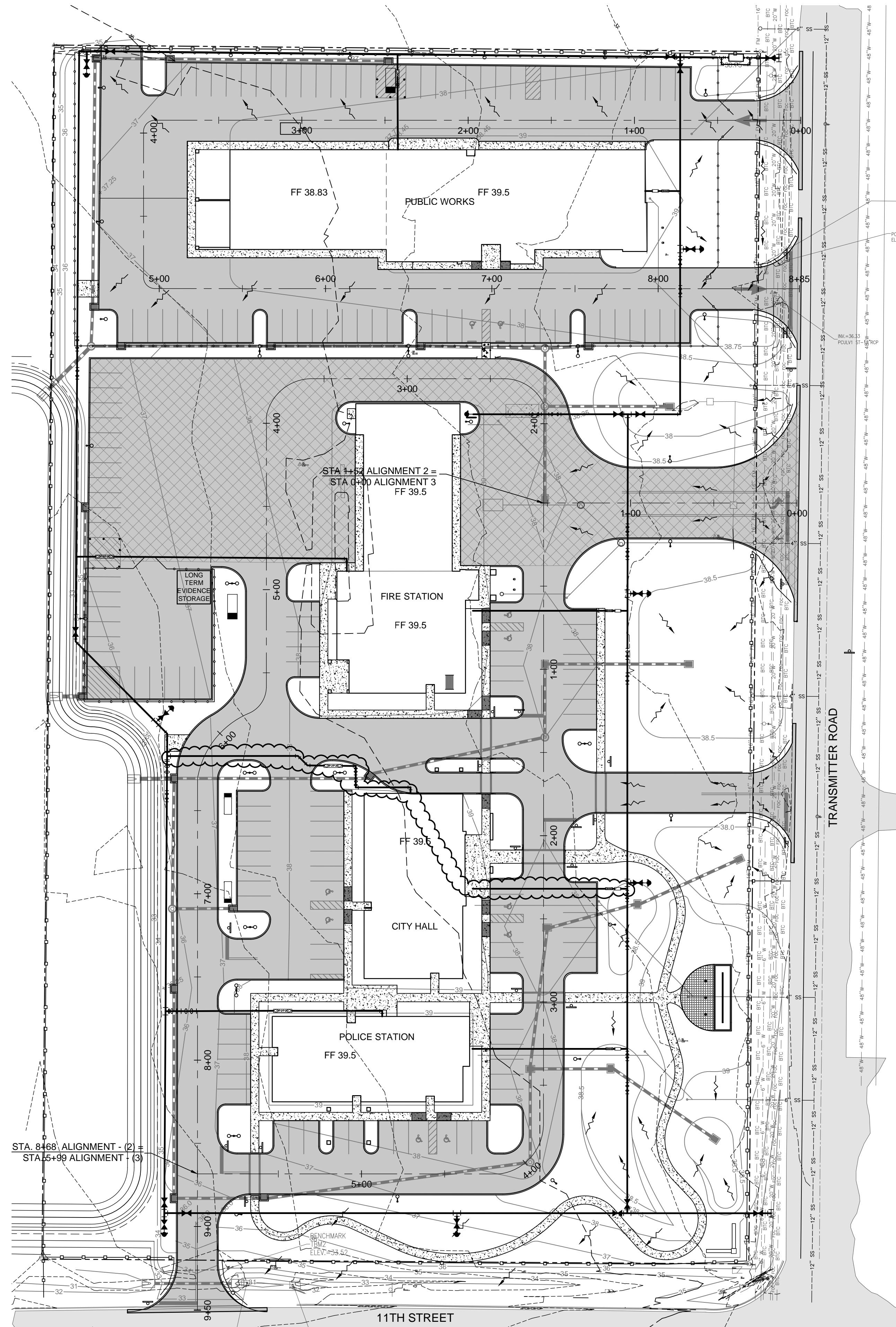
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	T. PITTS			
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SHEET TITLE:
SANITARY SEWER PROFILES

SHEET NUMBER:
C2.1



LEGEND

- 12" SS --- EXISTING GRAVITY SEWER
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- ▭ NEW MITERED END SECTION
- NEW STORM DRAIN PIPE
- NEW SEWER MANHOLE
- ▶ NEW GRAVITY SEWER
- ⋈ NEW GATE VALVE
- NEW WATER LINE

ALL POTABLE WATER WORK INSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #2 "CITY HALL - CITY COMPLEX".

ALL POTABLE WATER WORK OUTSIDE THE CLOUD SHALL BE INCLUDED IN BID SCHEDULE #1 "CIVIL SITE WORK - CITY COMPLEX".

FOR INDIVIDUAL WATER SYSTEM COMPONENTS, SEE SHEETS C3.1 AND C3.2

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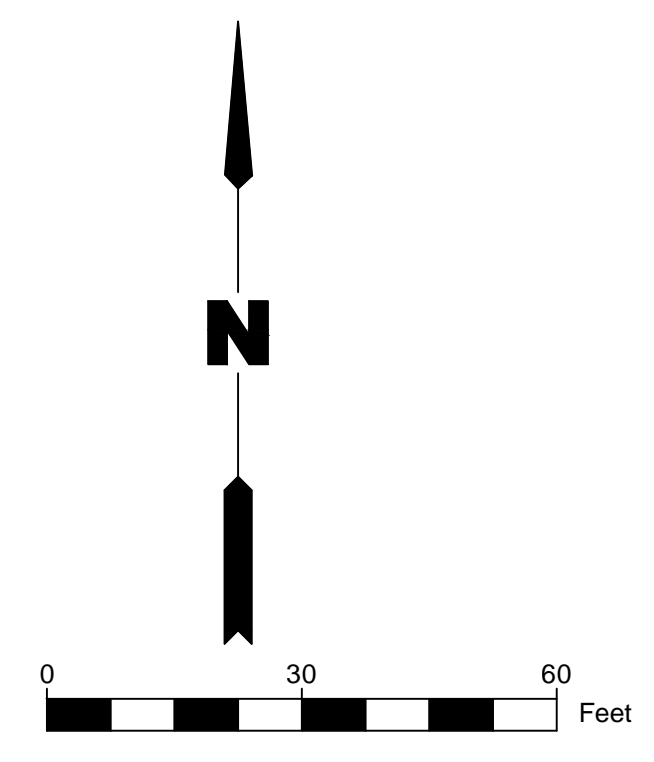
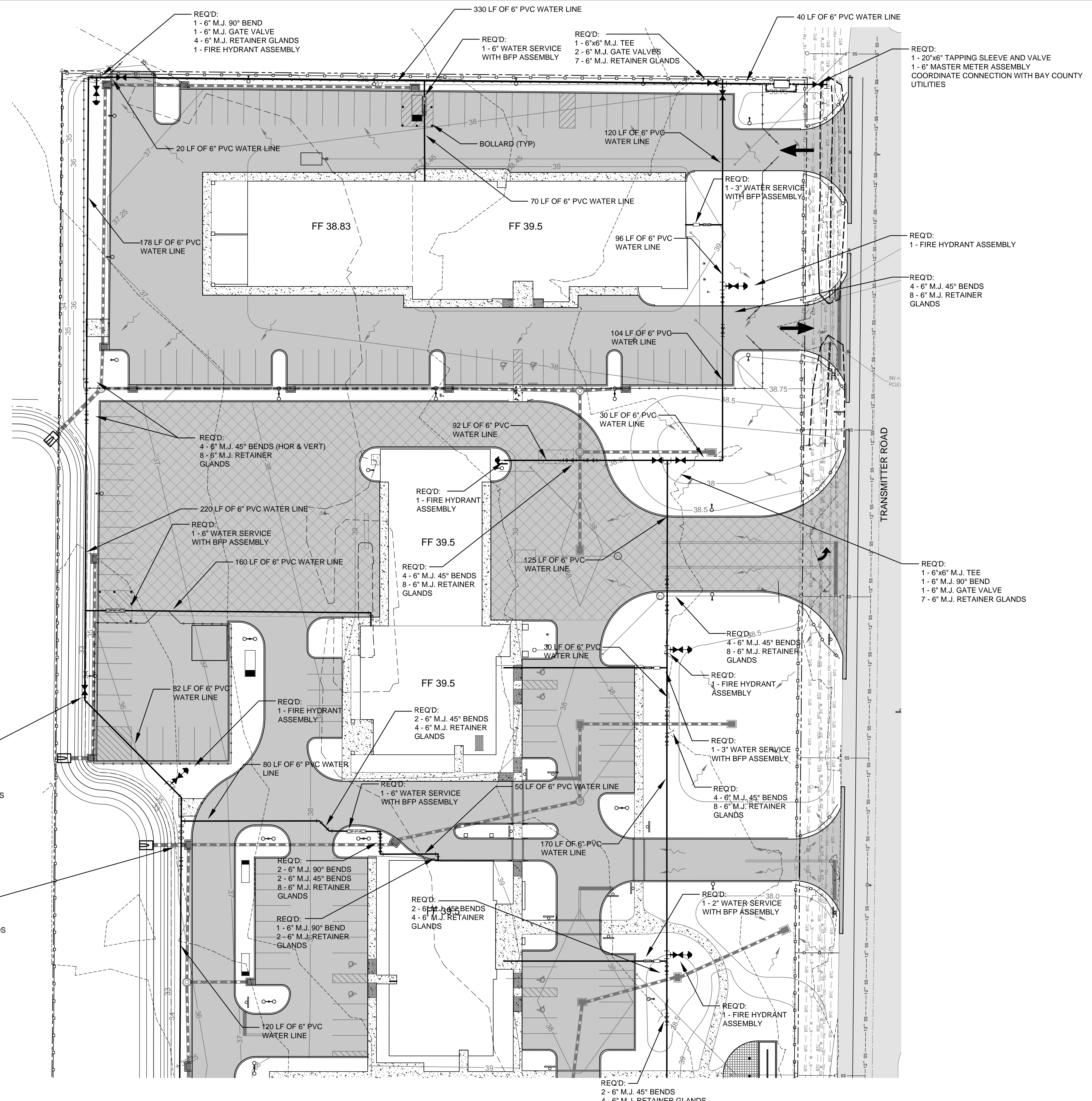
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	C. ELKINS	
	A. ZAFAR	
	T. PITTS	
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SHEET TITLE:
WATER SYSTEM OVERALL PLAN

SHEET NUMBER:
C3.0

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LEGEND

- 12" SS --- EXISTING GRAVITY SEWER
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- ▭ NEW MITERED END SECTION
- NEW STORM DRAIN PIPE
- NEW SEWER MANHOLE
- NEW GRAVITY SEWER
- ✕ NEW GATE VALVE
- NEW WATER LINE

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M
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MACDONALD

Architect: A.A. COOPER
Engineer: E.S. COOPER
Surveyor: L.B. COOPER

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	C. ELKINS			
	A. ZAFAR			
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	M.M. PROJECT NUMBER: 502100062-004			

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SHEET TITLE:

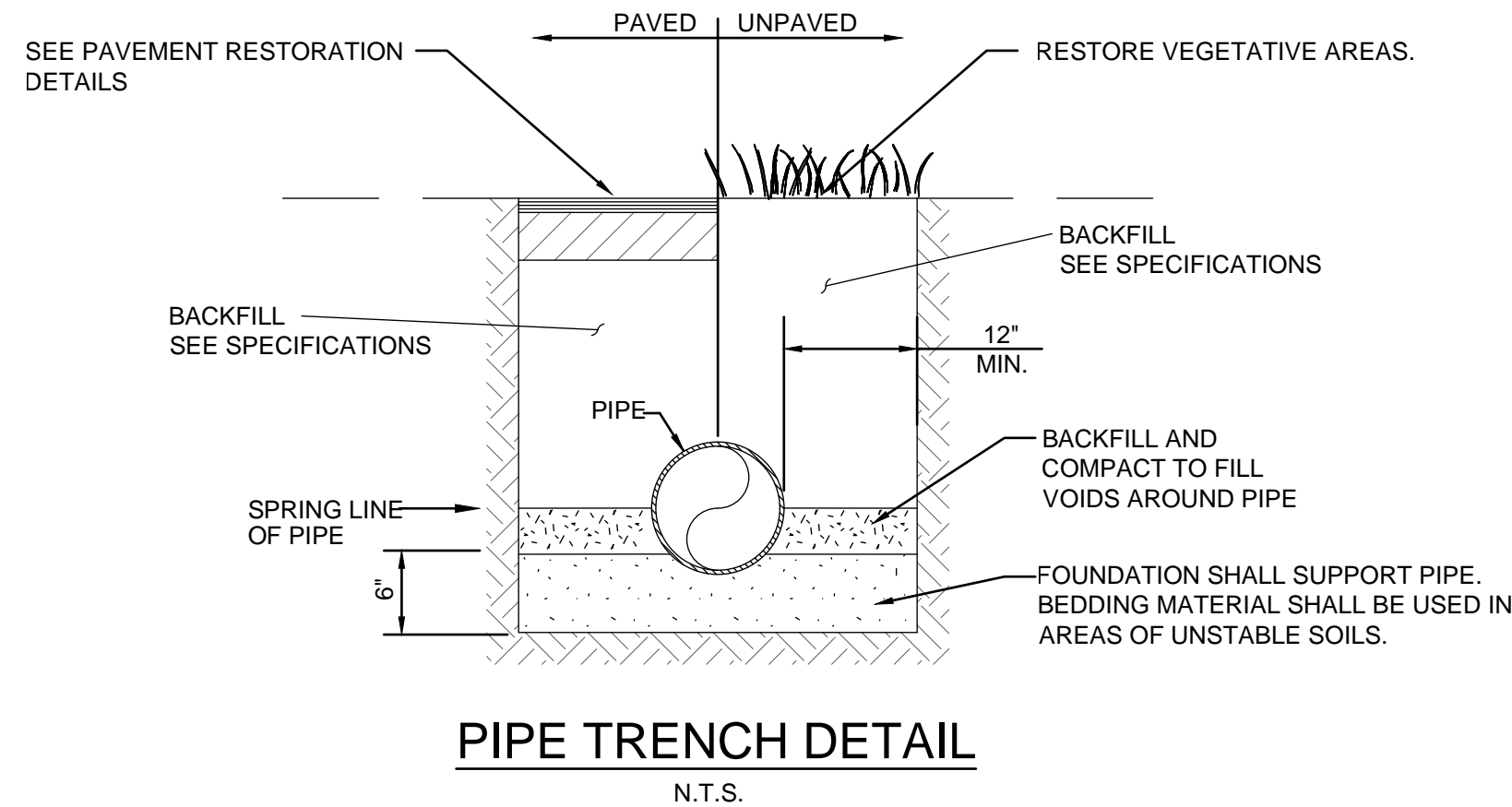
WATER SYSTEM NORTH PLAN

SHEET NUMBER:

C3.1

OTHER PIPE CROSSINGS	HORIZONTAL SEPERATION	CROSSINGS (SEE NTOE 1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER	WATER MAIN 3" MIN.	WATER MAIN 12" MIN. EXCEPT FOR STORM SEWER, THEN 6" IS THE MIN. AND 12" IS PREFERRED	ALTERNATE 3" MIN. WATER MAIN
VACUUM SANITARY SEWER	WATER MAIN 10" PREFERRED 3" MIN.	WATER MAIN 12" PREFERRED 6" MIN.	ALTERNATE 3" MIN. WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	WATER MAIN 10" PREFERRED 6" MIN. (SEE NTOE 2)	WATER MAIN 12" MIN. EXCEPT FOR GRAVITY SEWER, THEN 6" IS THE MIN. AND 12" IS PREFERRED	ALTERNATE 6" MIN. WATER MAIN
ON - SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10" MIN.	---	---

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MIN. SEPARATION IS 12".
(2) 3" FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6" ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(3) IF REQUIRED SEPARATION CANNOT BE PROVIDED SEE DETAIL M-38B FOR REQ'D ADDITIONAL PROTECTION.



PIPE JOINT RESTRAINT TABULATION - FORCE MAIN

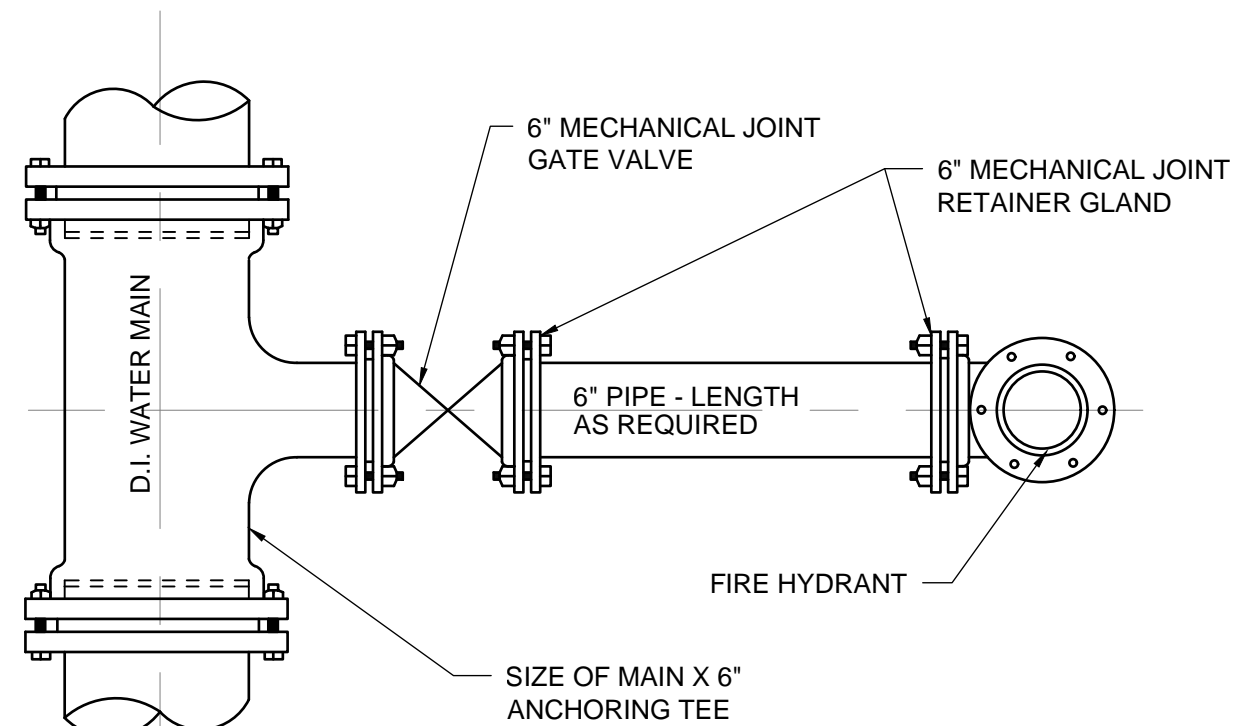
(ALL RESTRAINT JOINT LENGTHS SHOWN ARE IN FEET)
SOURCE: EBAA RESTRAINED JOINT LENGTH PROGRAM VERSION 4.0

HORIZONTAL BENDS					
EVERY JOINT WITHIN THE LENGTH SPECIFIED BELOW (IN FEET) SHALL BE RESTRAINED ON BOTH SIDES OF THE FITTING					
PIPE SIZE AND TYPE	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.	DEAD ENDS
3" PVC	18	7	4	2	40
4" PVC	22	9	4	2	48
6" PVC	30	13	6	3	68
8" PVC	40	16	8	4	89
10" PVC	47	19	9	5	106
12" PVC	55	23	11	5	125
14" PVC	62	26	12	6	143
16" PVC	70	29	14	7	161
18" PVC	77	32	15	8	179
20" PVC	84	35	17	8	195
24" PVC	96	40	19	10	228

SMALLER PIPE SIZE	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
3"	-	-	-	-	-	-	-	-	-	-
4"	15	-	-	-	-	-	-	-	-	-
6"	45	35	-	-	-	-	-	-	-	-
8"	72	64	37	-	-	-	-	-	-	-
10"	93	86	65	36	-	-	-	-	-	-
12"	114	109	91	66	61	-	-	-	-	-
14"	133	129	114	93	89	37	-	-	-	-
16"	153	140	136	118	114	68	37	-	-	-
18"	171	168	156	140	132	97	69	36	-	-
20"	189	186	175	161	158	122	97	69	36	-

TEE RUN SIZE (BRANCH RESTRAINT)	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"
3"	21	-	-	-	-	-	-	-	-	-
4"	17	29	-	-	-	-	-	-	-	-
6"	7	20	47	-	-	-	-	-	-	-
8"	1	12	42	69	-	-	-	-	-	-
10"	1	2	35	64	84	-	-	-	-	-
12"	1	1	29	59	80	102	-	-	-	-
14"	1	1	22	54	76	98	118	-	-	-
16"	1	1	15	48	72	95	115	135	-	-
18"	1	1	7	43	67	91	112	113	151	-
20"	1	1	1	37	62	87	109	130	149	168

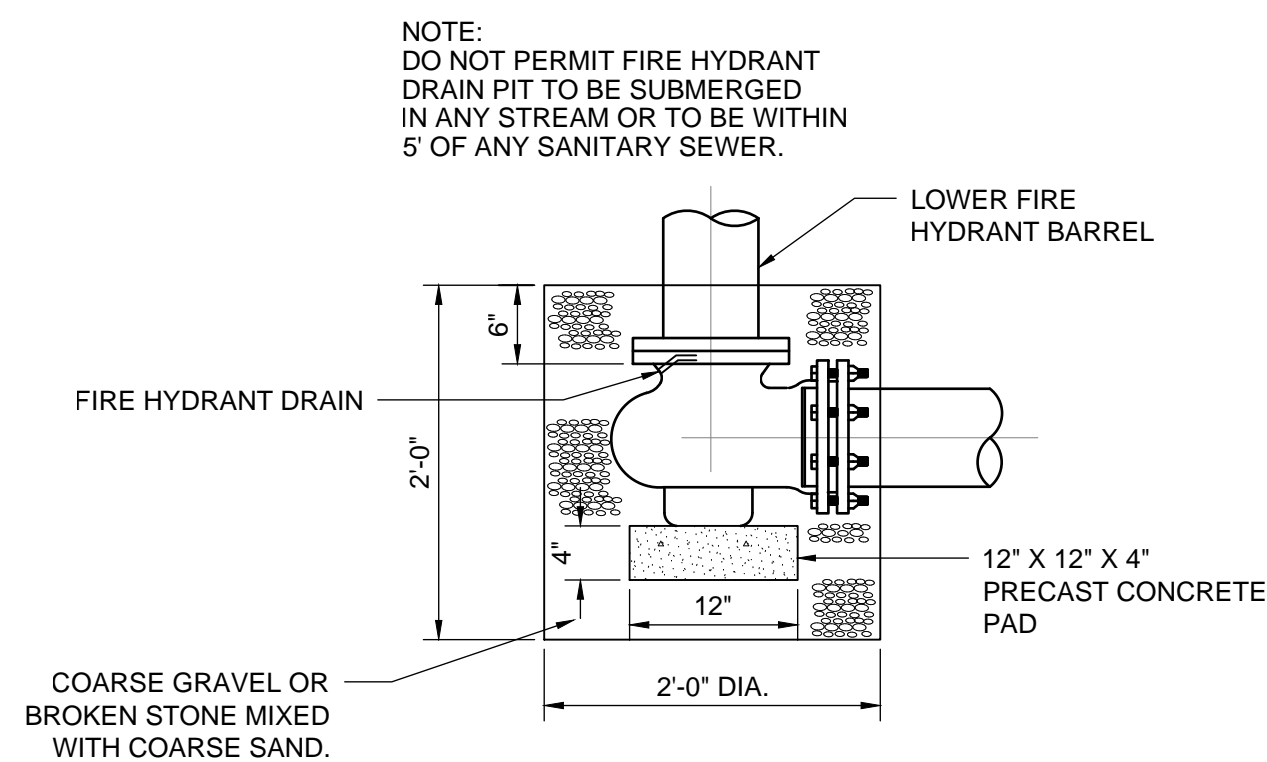
- NOTES:
1. TEST PRESSURE=150 PSI, SOIL GROUP=SM, TRENCH TYPE=2.5, DEPTH=3, SAFETY FACTOR=1.5
2. RESTRAINED LENGTHS FOR VERTICAL OFFSETS MUST BE INDIVIDUALLY CALCULATED.
3. MINIMUM PIPE LENGTH ALONG TEE RUN=5FEET OR LARGER.
4. ALWAYS ROUND UP PARTIAL LENGTHS TO THE NEXT PIPE JOINT.



- NOTES:
1. FIRE HYDRANT SHALL BE SUPPLIED WITH A WEEP HOLE.
2. THE SHEAR PAD MAY BE RECESSED UP TO 6 INCHES BELOW FINISHED GRADE.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A 4" MINIMUM.
4. HYDRANT SHALL BE AVK MODEL 2780 NOSTALGIC, AMERICAN DARLING B-84-B, CLOW MEDALLION OR US FIRE HYDRANT, MODEL SENTINEL 250 WITH SS VALVE ROD.
5. A WEATHER SHIELD SHALL BE PROVIDED TO PROTECT OPERATING STEM OR NUT.
6. THE HYDRANT'S UPPER AND LOWER STEM, BREAK COUPLING, INTERNAL PINS AND CLIPS, AND ALL EXTERNAL BOLTING SHALL BE MANUFACTURED OF 304 OR 316 STAINLESS STEEL.
7. BLUE REFLECTIVE PAVEMENT MARKER SHALL BE PLACED IN ROAD OR DRIVE NEAR CENTERLINE TO IDENTIFY LOCATION OF FIRE HYDRANT.

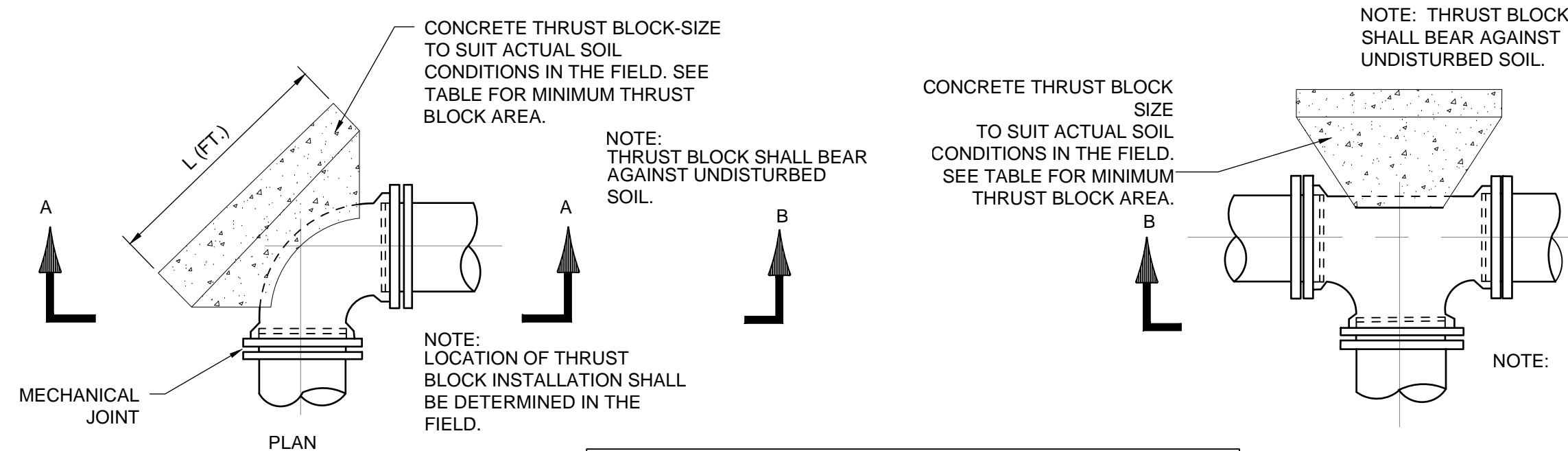
FIRE HYDRANT CONNECTION TO WATER MAIN (TYPICAL)

N.T.S.



TYPICAL FIRE HYDRANT DRAIN PIT

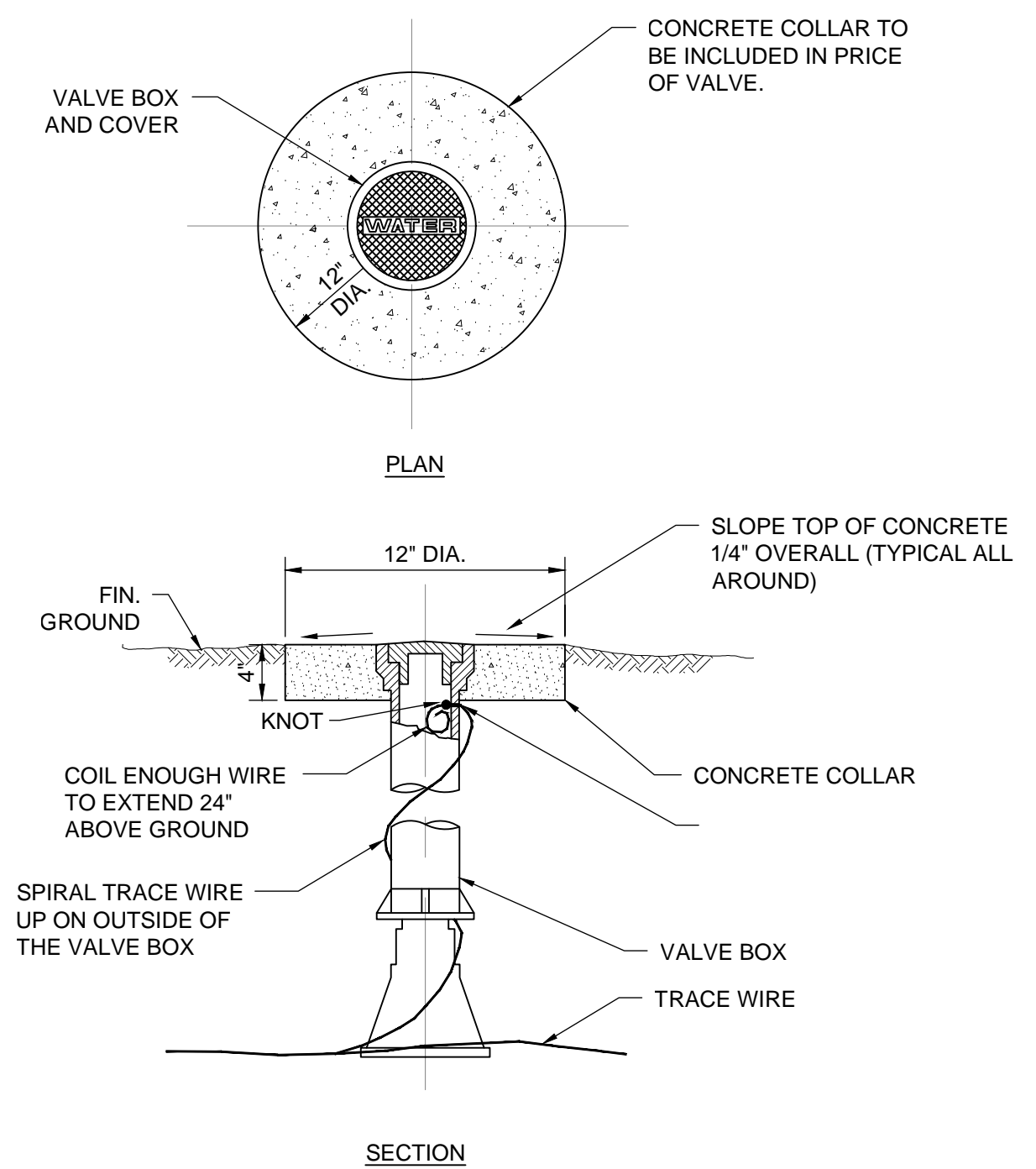
N.T.S.



TYPICAL THRUST BLOCKS MINIMUM THRUST BLOCK AREA SQ. FT. L (FT.) X H (FT.)			
INSIDE DIA. PIPE LINE IN INCHES	90° BENDS	TEES, DEAD ENDS, OR 45° BENDS	22½° BENDS
6"	3.0	2.2	1.0
8"	5.5	4.0	1.5
10"	8.5	6.0	2.5
12"	12.0	9.0	3.5
16"	22.0	16.0	6.0
18"	27.0	20.0	8.0
20"	34.0	24.0	10.0
24"	46.0	34.0	14.0
30"	75.0	53.0	21.0

TYPICAL THRUST BLOCK DETAIL

N.T.S.



VALVE BOX COLLAR DETAIL

N.T.S.

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Architects A.A. - CORPORATE
Engineers E.B. - 000785
Surveyors L.B. - 000783

Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX

City of Springfield
1141 TRANSMITTER RD
SPRINGFIELD, FLORIDA 32401

REVISION DESCRIPTION

REV.

DATE

DESIGNED BY:
C. ELKINS

DRAWN BY:
C. ELKINS

PROJECT ENGINEER:
A. ZAFAR

PROJECT MANAGER:
T. PITTS

M.M. PROJECT NUMBER:
502100062-004

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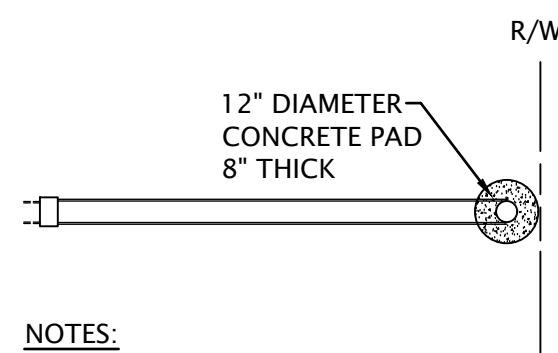
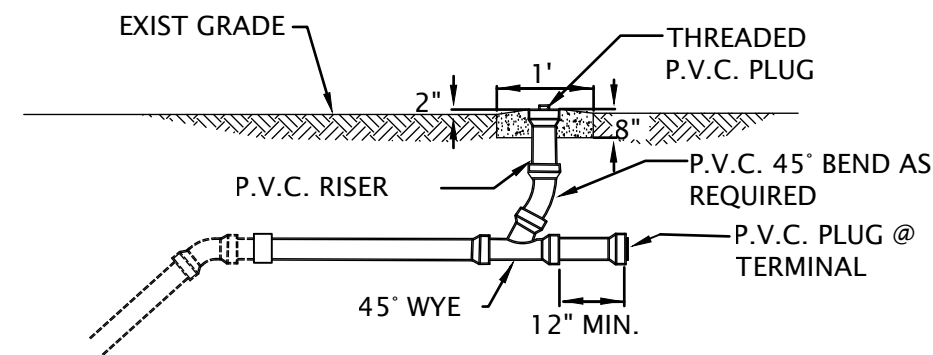
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SHEET TITLE:

CIVIL DETAILS

SHEET NUMBER:

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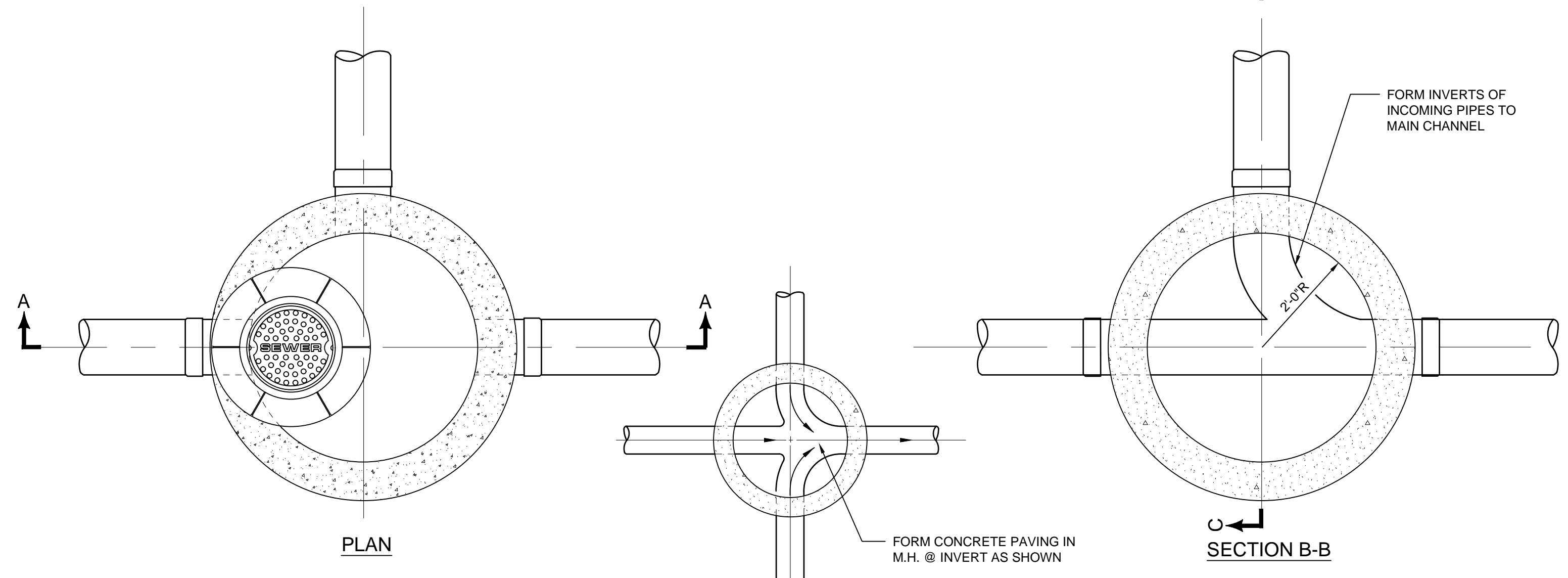


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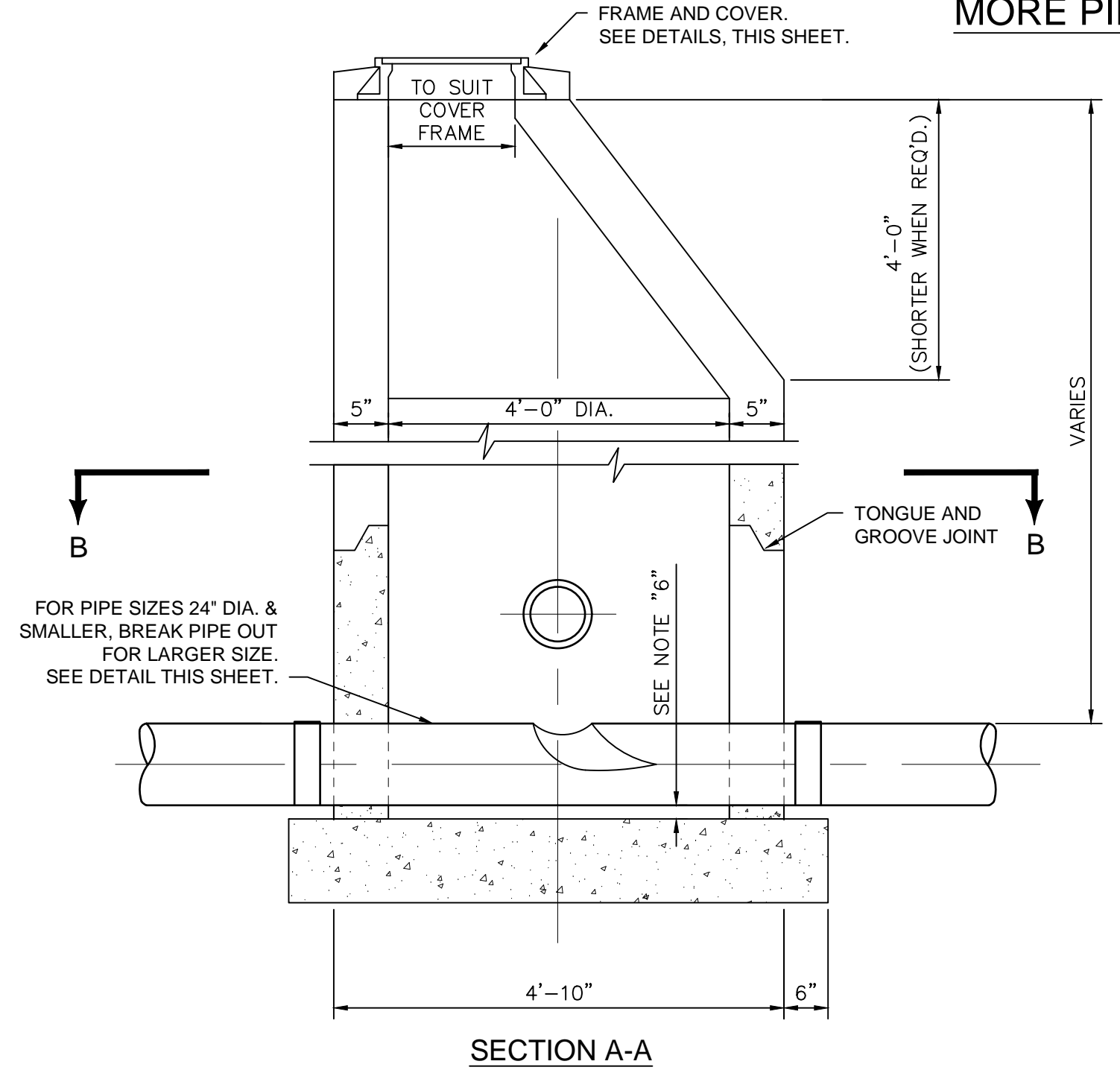
- 1) FOR NEW CONSTRUCTION, MARK SEWER LATERAL LOCATION IN THE FRESHLY POURED CONCRETE CURB
- 2) SUBMIT "AS BUILT" OF MAIN LINE, LATERALS AND MANHOLE LOCATIONS WITH TWO (2) OFFSET DISTANCES EACH.
- 3) PIPE AND FITTINGS SHALL BE PUSH ON

TYPICAL SERVICE LINE AND CLEANOUT INSTALLATION

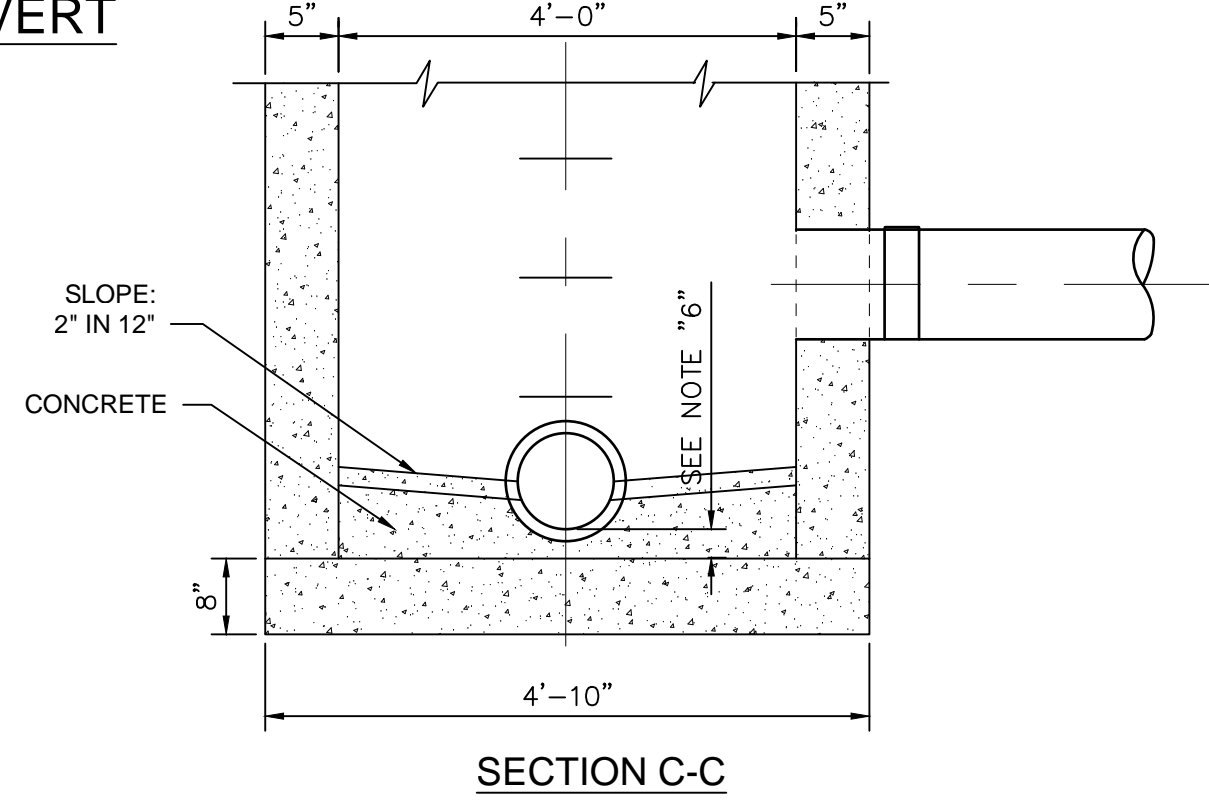
N.T.S.



MANHOLE WITH THREE OR MORE PIPES AT INVERT

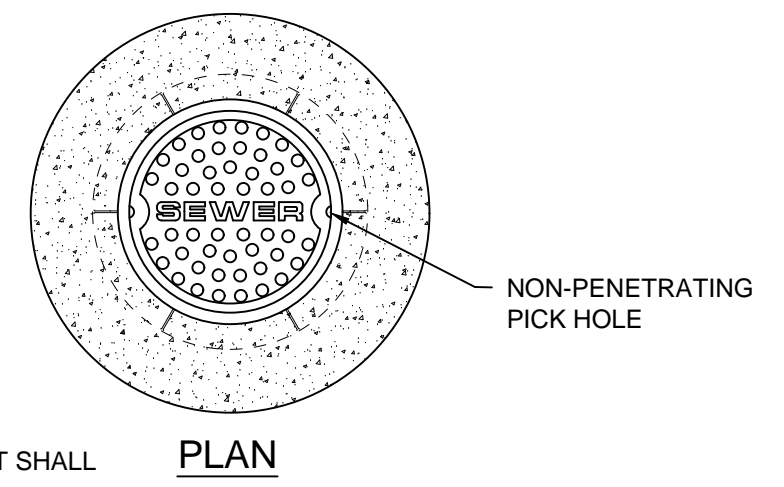
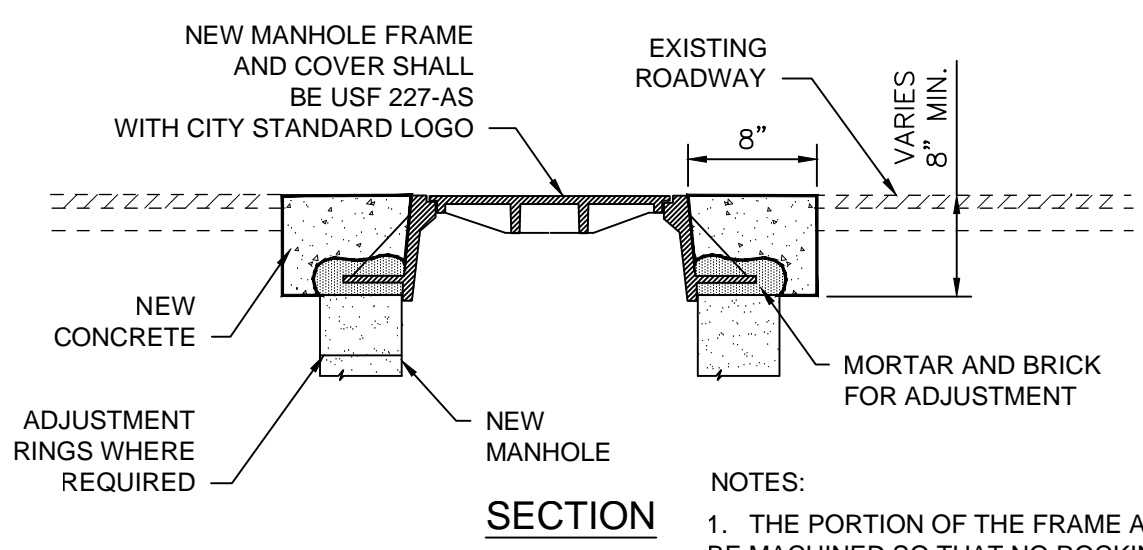


FOR PIPE SIZES 24\"/>



1. MANHOLE SHALL CONFORM TO A.S.T.M. C 478 SPECIFICATIONS.
2. JOINTING COMPOUND SHALL BE RAM NECK, TYPE 1, ROPE FROM PLASTIC GASKET OR EQUAL
3. ALL PATCHING TO BE DONE WITH HYDRAULIC CEMENT. NO MORTAR REPAIRS PERMITTED.
4. PIPE CONNECTION SHALL BE A WATERTIGHT CONNECTION USING A-LOK, KORE-N-SEAL OR LOCK-JOINT CONNECTOR.
5. DISTANCE BETWEEN INVERT OF PIPE AND OUTSIDE OF BELL DETERMINES THE ELEVATION OF TOP OF 8\"/>

DETAIL OF MANHOLE FOR PIPE 24\"/>



NOTES:

1. THE PORTION OF THE FRAME AND COVER WHICH FORMS THE COVER SEAT SHALL BE MACHINED SO THAT NO ROCKING IS POSSIBLE.
2. MANHOLES INSTALLED IN NON-PAVED AREAS SHALL BE SET SUCH THAT THE COVER IS 6\"/>

MANHOLE FRAME & COVER DETAIL

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 Surveyor: L.B. - 0007983

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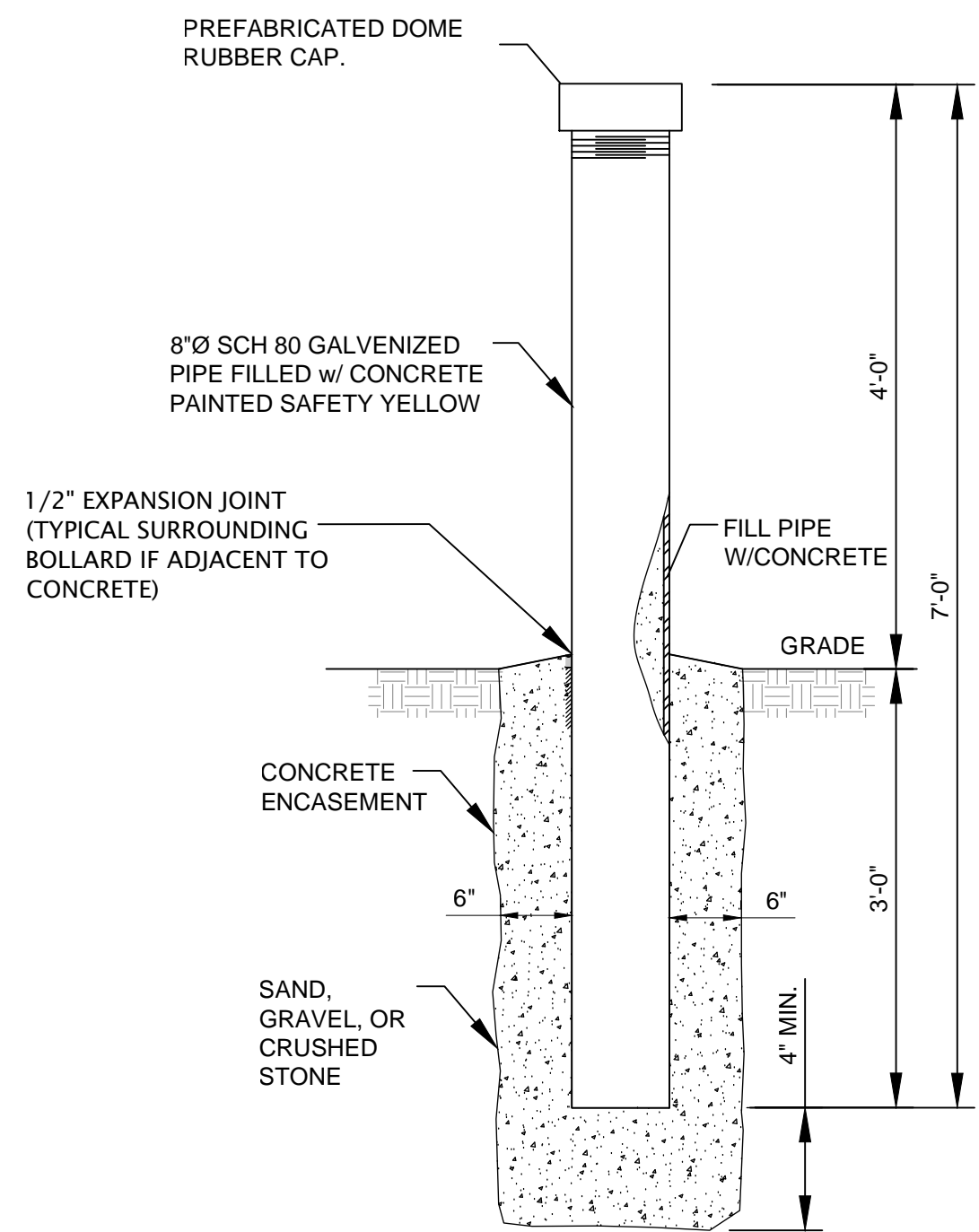
DATE	REV.	REVISION DESCRIPTION
05-18-22	C. ELKINS	
	C. ELKINS	
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	M.M. PROJECT NUMBER: 502100062-004	

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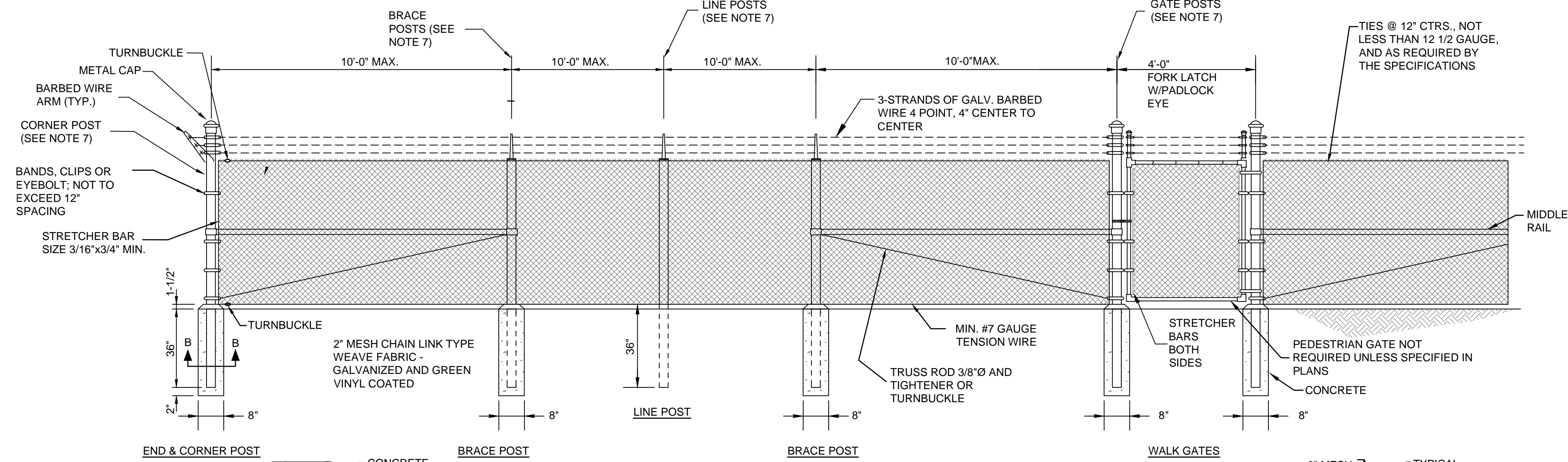
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SHEET NUMBER:
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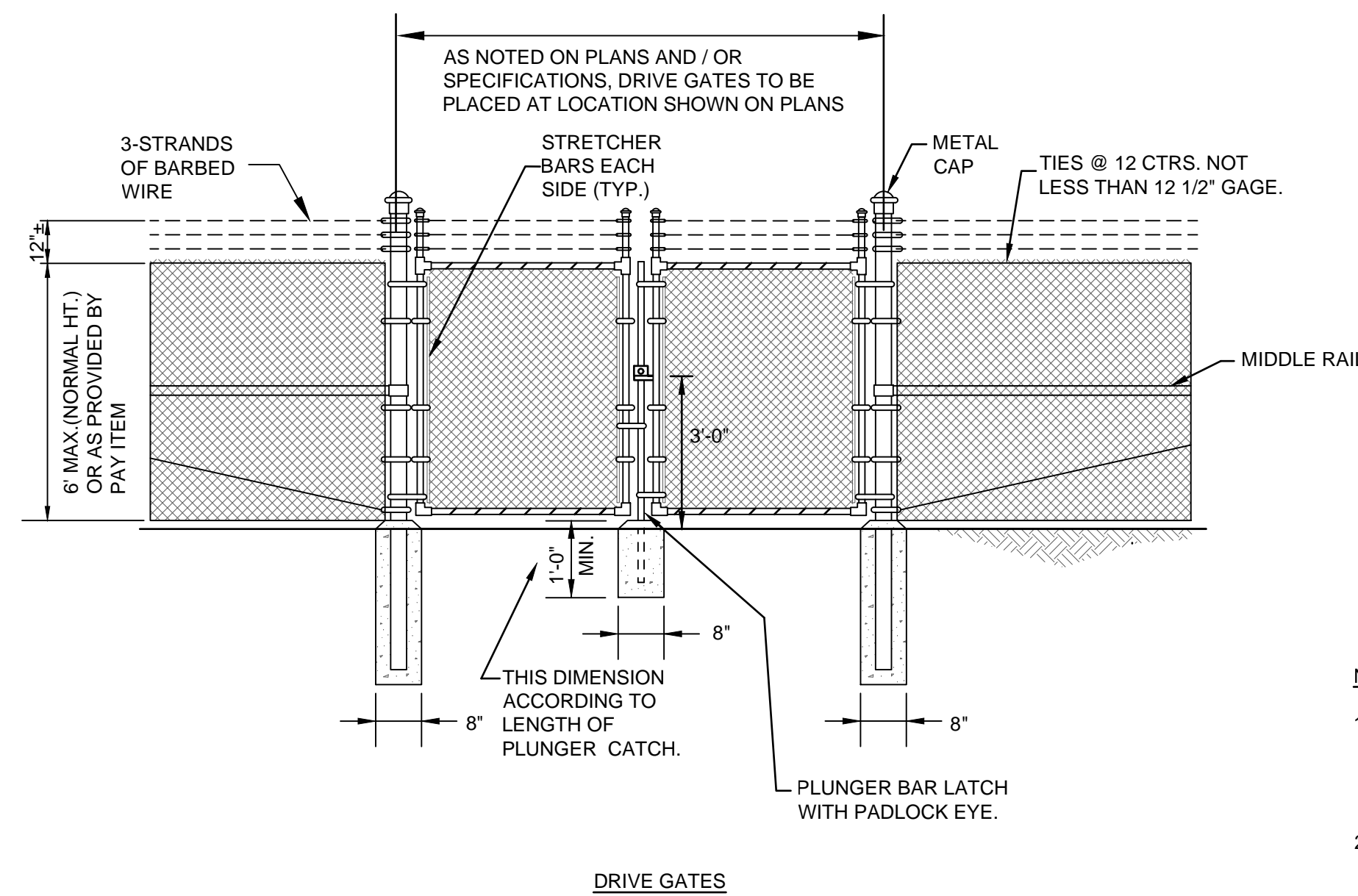


UTILITY BOLLARD DETAIL
NTS



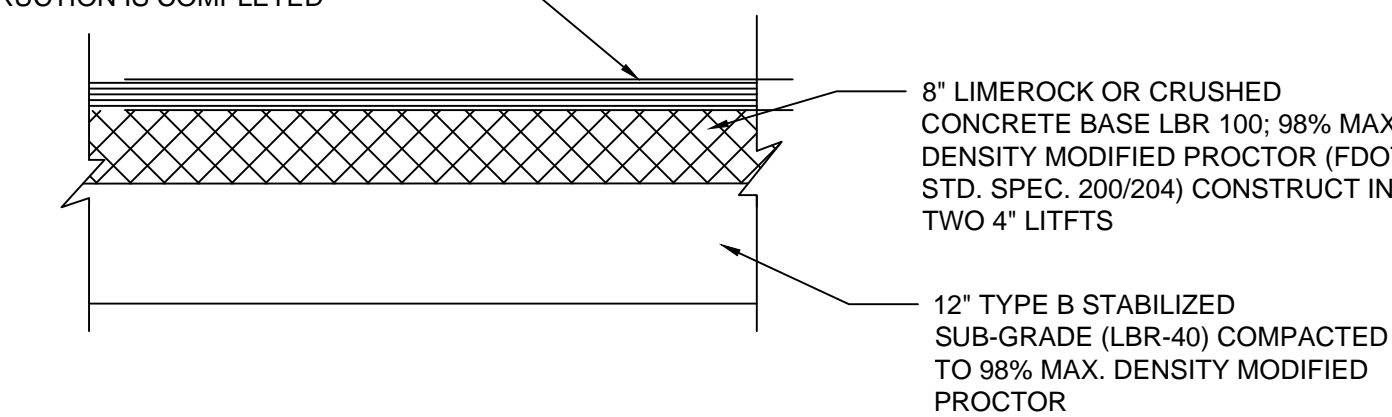
GENERAL NOTES:

- ALL DIMENSION ARE TYPICAL AND MAY BE VARIED AT THE RECOMMENDATION OF THE MANUFACTURER AT INSTALLATION.
- PVC SLATS SHALL BE WOVEN INTO THE CHAIN LINK FENCE.
- HOG RINGS SHALL BE GALVANIZED OR ALUMINUM ALLOY.
- THE TENSION WIRE SHALL BE EITHER NO. 7 GAUGE STEEL WIRE GALVANIZED AT THE RATE OF 0.7 OZ. PER SQ. FT. MIN. OR ALUMINUM WIRE OF ALLOY ALCLAD 5056-H38 OR EQUAL WITH A WIRE DIAMETER OF 0.1875 IN. OR LARGER.
- TENSION WIRE SHALL BE TIGHTENED TO SINGING TAUTNESS.
- ALL TUBULAR POSTS TO HAVE A METAL CAP.
- POSTS SHALL BE MADE OF STEEL PIPE (SCHEDULE 40) OF THE SIZES AND WEIGHTS GIVEN BELOW OR OF OTHER APPROVED EQUIVALENT SECTION. POSTS SHALL COMPLY WITH "STANDARD SPECIFICATION FOR PIPE, STEEL, HOT-DIPPED ZINC-COATED (GALVANIZED) WELDED, FOR FENCE STRUCTURES" (ASTM F1083) AND SHALL BE COATED TO MATCH THE FENCE FABRIC.
 - LINE POSTS SHALL HAVE A 2-3/8 INCH OUTSIDE DIAMETER AND WEIGH 3.65 LB. PER LINEAR FOOT.
 - END, CORNER AND PULL POSTS SHALL HAVE A 2-7/8 INCH OUTSIDE DIAMETER AND WEIGH 5.79 LB. PER LINEAR FOOT.
 - GATE POST FOR SINGLE-SWING GATES UP TO 6 FT. AND DOUBLE-SWING GATE OPENINGS UP TO 12 FT. SHALL BE 2-7/8 IN. OUTSIDE DIAMETER AND WEIGH 5.79 LB. PER LINEAR FOOT.
 - GATE POSTS FOR DOUBLE-SWING GATE OPENINGS WIDER THAN 12 FT. SHALL BE 4-IN. OUTSIDE DIAMETER AND WEIGH 9.10 LB. PER LINEAR FOOT.

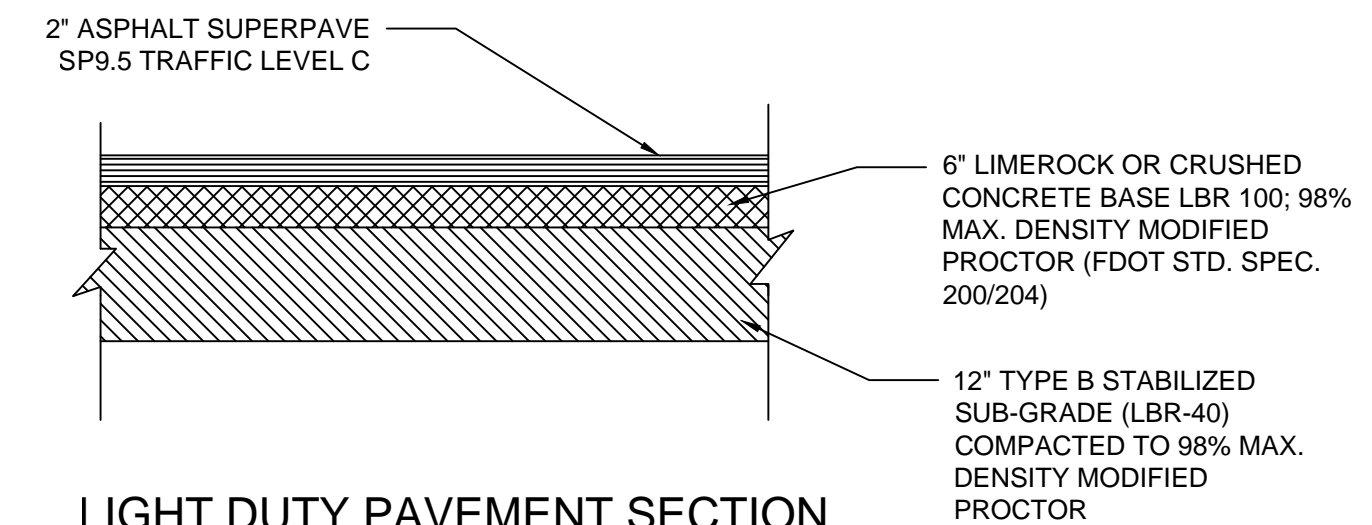


CHAIN LINK FENCE DETAILS
N.T.S.

3 1/2" ASPHALT SUPERPAVE TRAFFIC LEVEL C (2" SP12.5 LIFT TO BE PLACED DURING CONSTRUCTION, REMAINING 1 1/2" SP9.5 LIFT TO BE PLACED AFTER ALL CONSTRUCTION IS COMPLETED)



HEAVY DUTY ASPHALT SECTION
N.T.S.



LIGHT DUTY PAVEMENT SECTION
N.T.S.

1022 West 23rd St. Suite 890
Panama City, Florida 32405
Telephone: (904) 763-9585

MOTT MACDONALD
Architects, A.A. Corporation
Engineers - 000785
Surveyors - LB - 000783

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City of Springfield
1141 TRANSMITTER RD
SPRINGFIELD, FLORIDA 32401

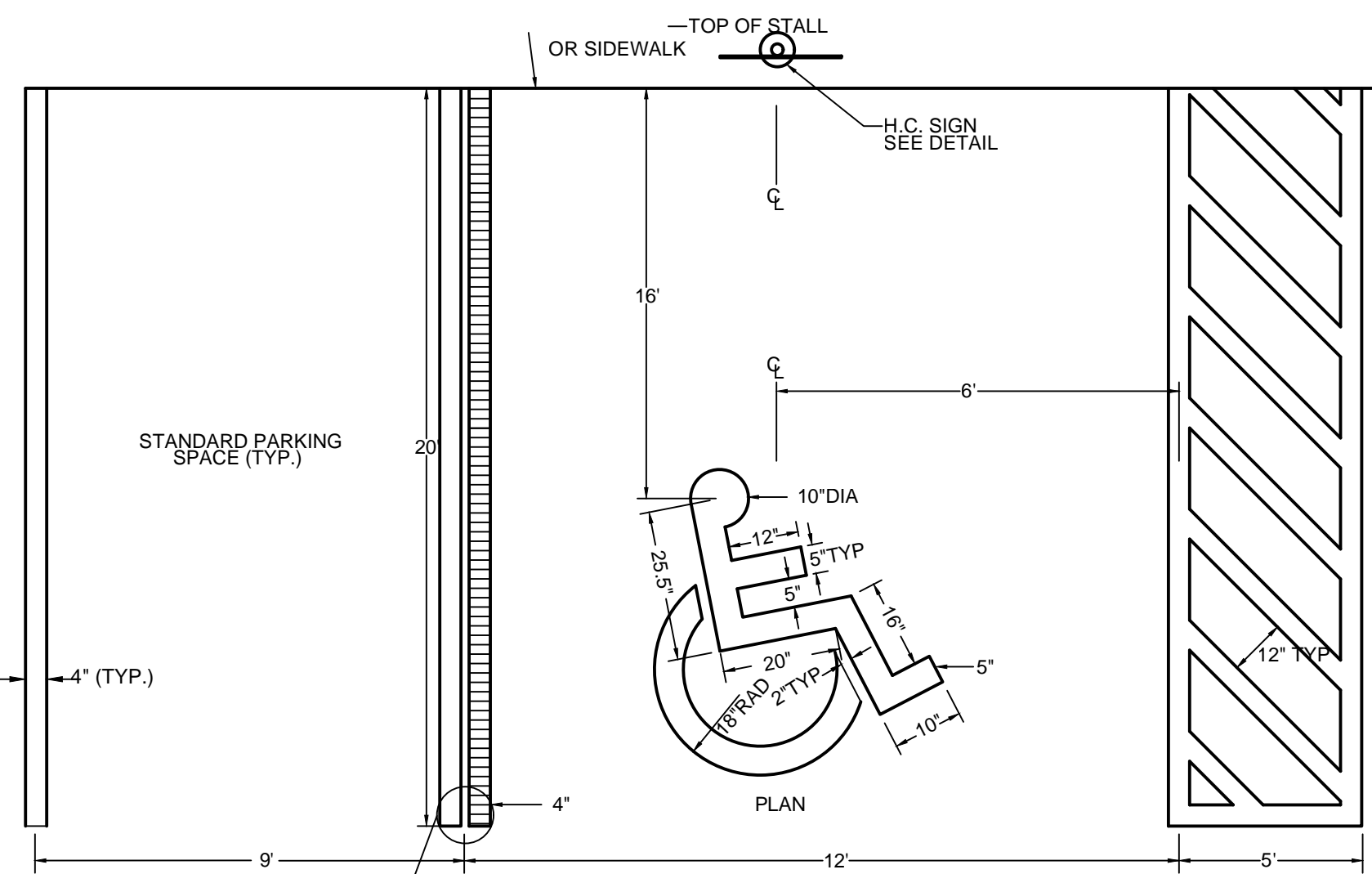
DATE	REV.	REVISION DESCRIPTION
06-18-22	C. ELKINS	
	C. ELKINS	
	A. ZAFAR	
	T. PITTS	
	M.M. PROJECT NUMBER: 502100062-004	

ISSUED FOR BIDS - AUGUST 2024

THIS DRAWING IS NOT FOR CONSTRUCTION

SHEET TITLE:
CIVIL DETAILS

SHEET NUMBER:
CD4.0

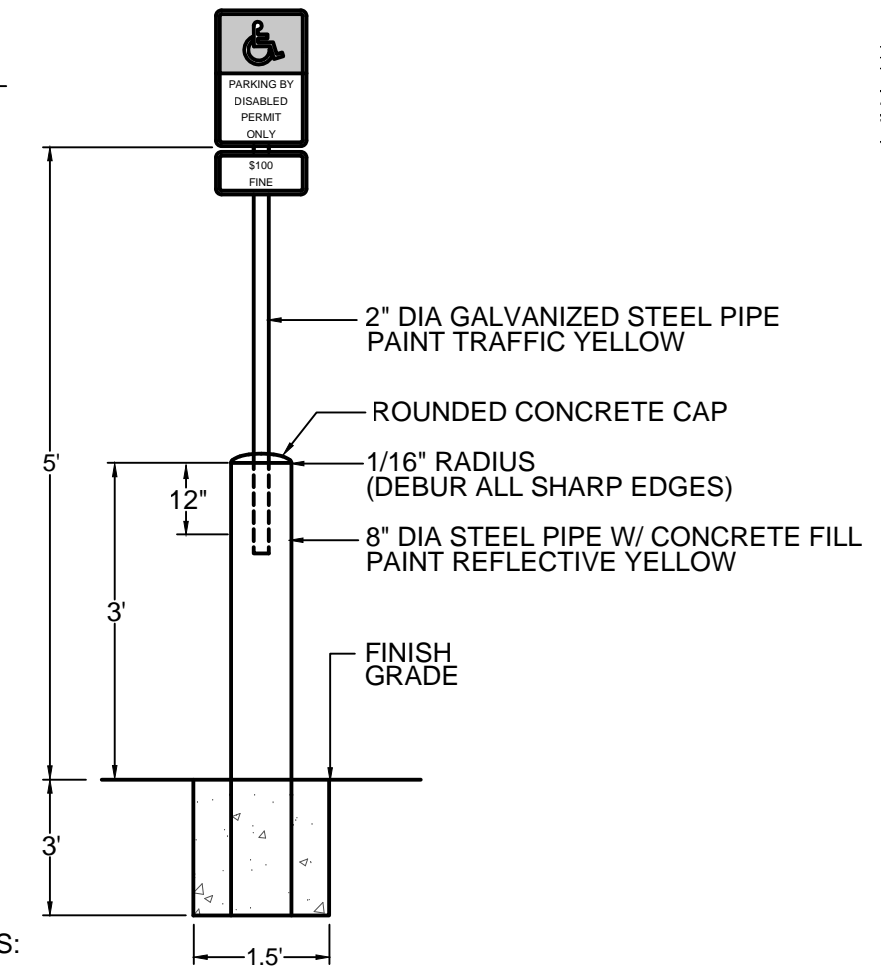


HANDICAP SPACE PAINT STRIPE DETAILS
N.T.S.

- NOTES:
- EACH SUCH PARKING SPACE SHALL BE CONSPICUOUSLY OUTLINED IN BLUE PAINT, AND SHALL BE POSTED AND MAINTAINED WITH A PERMANENT, ABOVE GRADE SIGN BEARING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, OR THE CAPTION "PARKING BY DISABLED PERMIT ONLY," OR BEARING BOTH SUCH SYMBOL AND CAPTION. SUCH SIGNS SHALL NOT BE OBTUSCURED BY A VEHICLE PARKED IN THE SPACE. ALL HANDICAPPED PARKING SPACES MUST BE SIGNED AND MARKED IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE DEPARTMENT OF TRANSPORTATION.
 - FOOT RECOMMENDS MEASURING PARKING SPACE WIDTH FROM CENTER TO CENTER BETWEEN BLUE AND WHITE STRIPES.

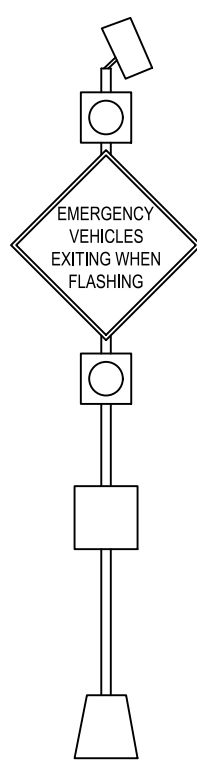
LEGEND

- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER
- NEW STORM DRAIN INLET
- NEW STORM DRAIN MANHOLE
- NEW MITERED END SECTION
- NEW STORM DRAIN PIPE
- NEW SEWER MANHOLE
- NEW GRAVITY SEWER
- NEW GATE VALVE
- NEW WATER LINE
- NEW ASPHALT
- NEW HEAVY DUTY ASPHALT



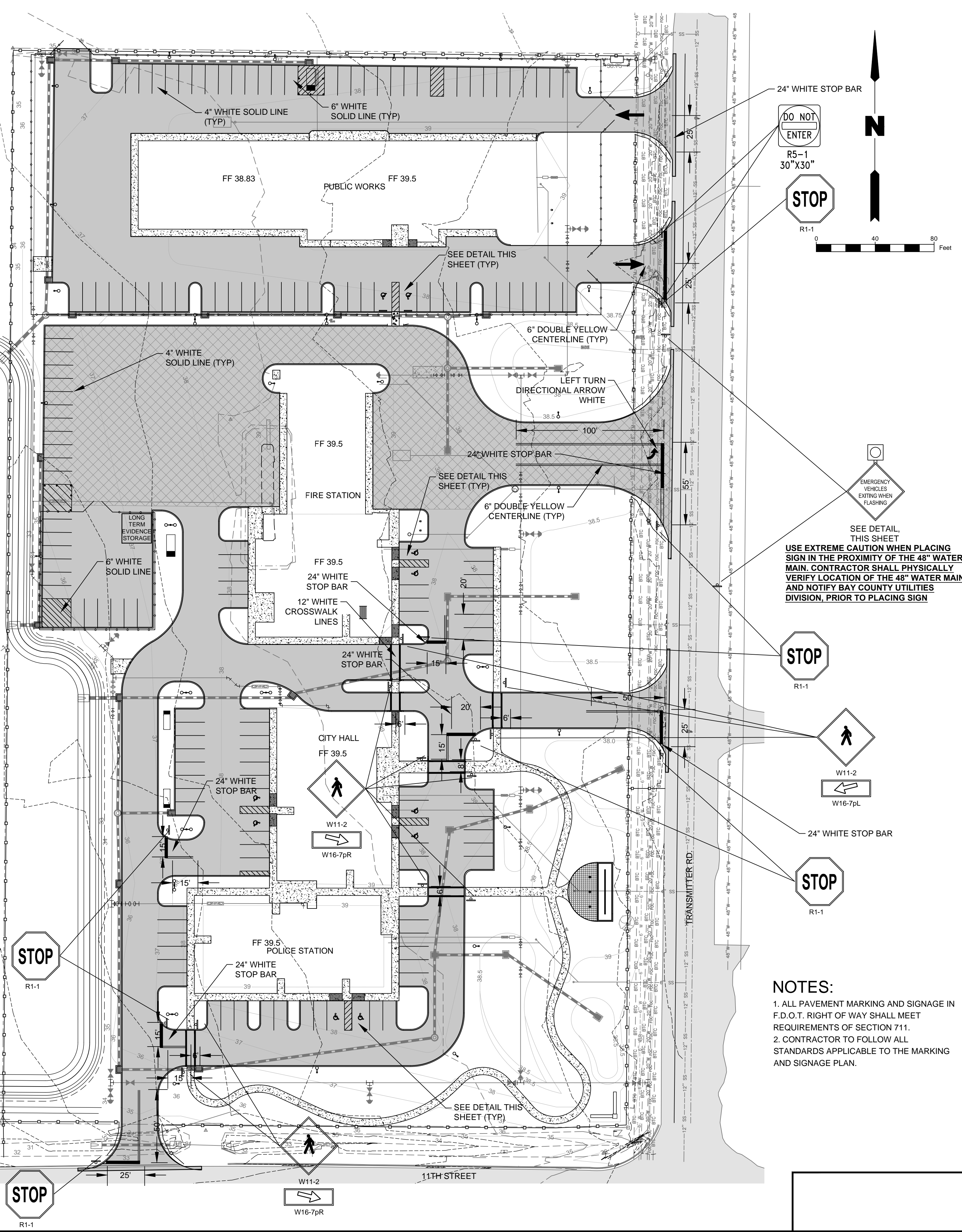
- NOTES:
- ALL LETTERS SHALL BE BLACK AND 1" IN HEIGHT. LETTERS ARE TO BE SERIES "C", PER MUTCD.
 - SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
 - ONE SIGN REQUIRED FOR EACH PARKING SPACE.
 - HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD).

HANDICAP SIGN DETAILS
N.T.S.



EMERGENCY SIGN DETAILS
N.T.S.

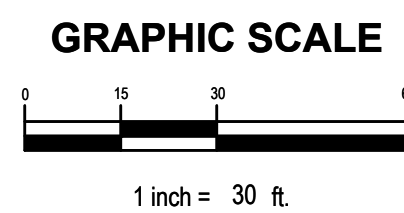
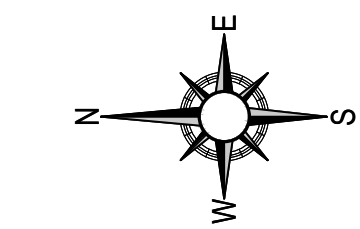
- NOTES:
- ALL LETTERS SHALL BE BLACK AND 1" IN HEIGHT. LETTERS ARE TO BE SERIES "C", PER MUTCD.
 - SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) YELLOW BACKGROUND WITH BLACK LETTERS AND AND BORDER.
 - TWO SIGNS REQUIRED.
 - HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD).
 - SIGN SHALL BE **TS50 EMERGENCY VEHICLE WARNING SYSTEM** BY TRAFFIC SAFETY COORPATION OR EQUAL.



- NOTES:
- ALL PAVEMENT MARKING AND SIGNAGE IN F.D.O.T. RIGHT OF WAY SHALL MEET REQUIREMENTS OF SECTION 711.
 - CONTRACTOR TO FOLLOW ALL STANDARDS APPLICABLE TO THE MARKING AND SIGNAGE PLAN.

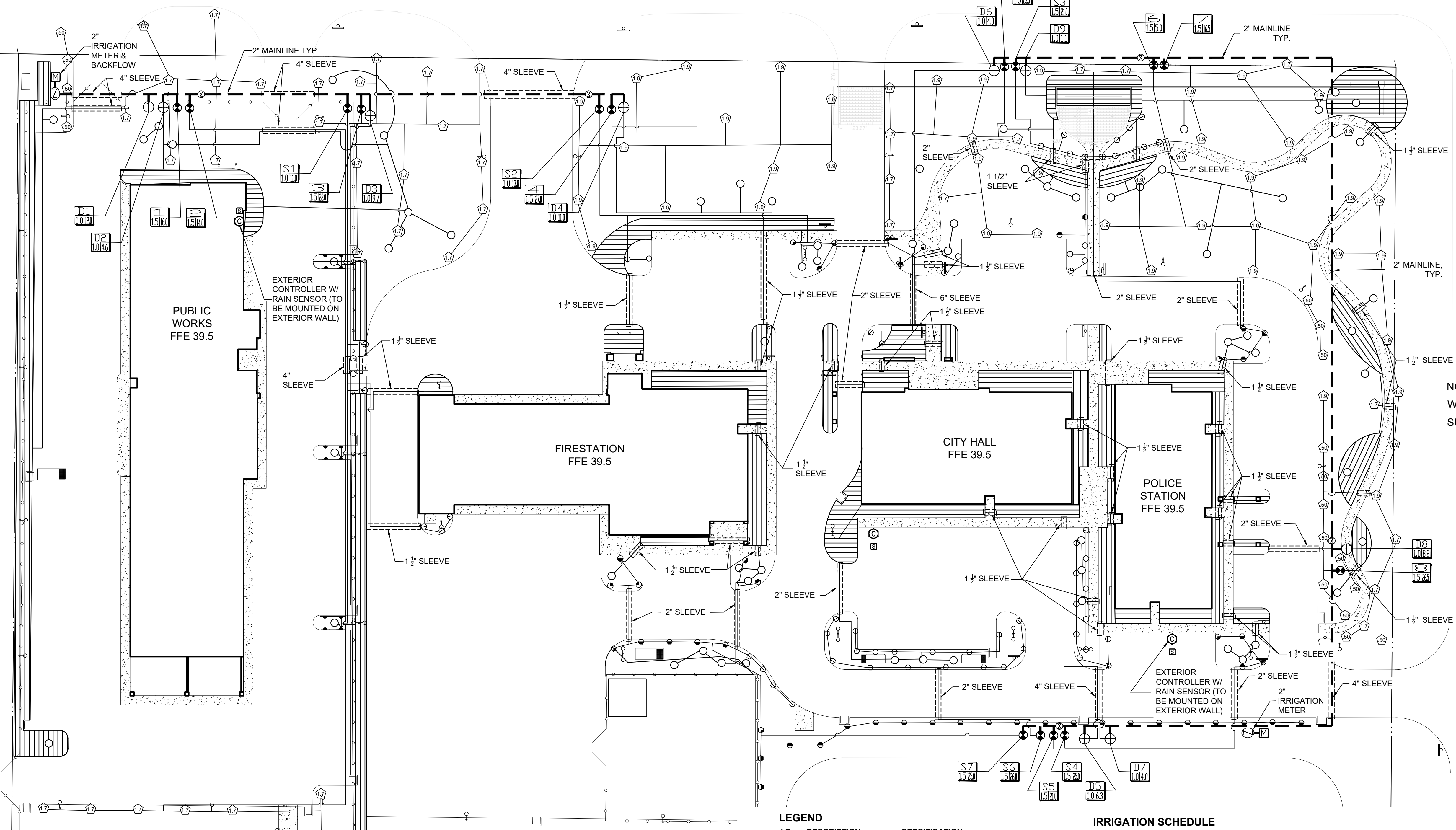
<p>1022 West 20th St. Suite 880 Pompano Beach, FL 33062 Telephone: (954) 753-9393</p> <p>MOTT MACDONALD Architects AA - C0000035 Engineers EB - 0000155 Surveyors LS - 0000783</p> <p>Mott MacDonald Florida, LLC</p>	
<p>SPRINGFIELD CITY COMPLEX</p> <p>City of Springfield 1141 TRANSMITTER RD SPRINGFIELD, FLORIDA 32401</p>	
ISSUED FOR BIDS - AUGUST 2024	<p>DESIGNED BY: C. ELKINS</p> <p>DRAWN BY: A. ZAFAR</p> <p>PROJECT ENGINEER: T. PITTS</p> <p>PROJECT MANAGER: M.M. PROJECT NUMBER: 502100062-004</p>
<p>DATE: 05-18-22</p> <p>REV.:</p>	<p>REVISION DESCRIPTION</p>
<p>THIS DRAWING IS NOT FOR CONSTRUCTION</p>	
<p>SHEET TITLE: MARKING AND SIGNAGE PLAN</p>	
<p>SHEET NUMBER: M1.0</p>	

TRANSMITTER ROAD



NOTE: ALL IRRIGATION SHALL AVOID WATERING ON SIGNAGE AND SURROUNDING ROADS.

11TH STREET



LEGEND

I.D.	DESCRIPTION	SPECIFICATION
	2" IRRIGATION METER & BACKFLOW PREVENTOR PER CITY SPECIFICATIONS	
	MAINLINE	2" SCH 40 MAINLINE
	LATERAL	Class 200 Solvent Weld
	SLEEVE	Schedule 40 PVC
	DRIFT CONTROL ZONE KIT ASSEMBLY W/ DECODER - 40 PSI INSTALLED IN (12") RECTANGULAR VALVE BOX WITH LID.	
	DRIFT TREE RING	
	1/2" BLANK SUPPLY TUBING WITH SELF-PIERCING BARBS * ECO-INDICATOR AT EACH DRIP ZONE	
	HUNTER IC-600 - PL TWO-WIRE EXTERIOR WALL MOUNT AUTOMATIC CONTROL TIMER	
	RAIN SENSOR	
	CONTROL VALVE ASSEMBLY W/ DECODER (SIZES AS SHOWN PER PLAN) INSTALLED IN (12") RECTANGULAR VALVE BOX WITH LID.	
	PVC THREADED BALL VALVE INSTALLED IN 10" ROUND VALVE BOX.	
	ZONE PROPOSED IRRIGATION ZONE	
	VALVE SIZE	GPM

IRRIGATION SCHEDULE

ID	MANF	SPECIFICATION	PSI	GPM
01	Hunter	PROS-04-CS-515	30	.65
02	Hunter	PROS-04-SS-530	30	1.30
03	Hunter	PROS-04-SS-918	30	1.72
04	Hunter	PROS-04-60A	30	.37
05	Hunter	PROS-04-6TA	30	.44
06	Hunter	PROS-04-6HA	30	.60
07	Hunter	PROS-04-6FA	30	1.26
08	Hunter	PROS-04-12-80A	30	.25
09	Hunter	PROS-04-12-80A	30	.44
10	Hunter	PROS-04-12-8TA	30	.59
11	Hunter	PROS-04-12-8HA	30	.88
12	Hunter	PROS-04-12-8TQA	30	1.32
13	Hunter	PROS-04-12-8FA	30	1.76
14	Hunter	PROS-04-100A	30	.50
15	Hunter	PROS-04-10TA	30	.67
16	Hunter	PROS-04-10HA	30	1.00
17	Hunter	PROS-04-10TQA	30	1.50
18	Hunter	PROS-04-10FA	30	2.00
19	Hunter	PROS-04-120A	30	.63
20	Hunter	PROS-04-12TA	30	.84
21	Hunter	PROS-04-12HA	30	1.26
22	Hunter	PROS-04-12FA	30	2.52
23	Hunter	PROS-04-150A	30	.93
24	Hunter	PROS-04-15HA	30	1.24
25	Hunter	PROS-04-15TA	30	1.86
26	Hunter	PROS-04-15FA	30	3.72
27	Hunter	PGP-00-0.75 (15' R)	40	0.50
28	Hunter	PGP-ADJ-B-2.0		
29		4LA GRAY (24' R)	40	1.7
30		5LA GRAY (27' R)	40	1.9

PIPE SIZE TABLE

IRRIGATION ZONE DEMAND GALLONS PER MINUTE (GPM)	MINIMUM PIPE SIZE
0 - 6	3/4"
7 - 11	1"
12 - 19	1 1/4"
20 - 26	1 1/2"
27 - 42	2"
43 - 60	2 1/2"
61 - 90	3"

REFER TO EACH IRRIGATION ZONE ON PLAN DRAWINGS FOR ZONE GPM

NOTE: IRRIGATION SYMBOLS ARE GRAPHIC REPRESENTATIONS ONLY. ALL SYSTEM COMPONENTS MUST BE WITHIN PROPERTY R/W, LANDSCAPE, AND AVOID ALL STRUCTURES. SOME LATERALS TO ROTORS SHALL BE LOCATED WITHIN ROAD R/W TO IRRIGATE SOD. VERIFY ALL UNDERGROUND UTILITIES PRIOR TO STAKE OUT.

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Springfield, FL 32405
Telephone: (850) 745-8805

M MOTT MACDONALD
Architects AA - C0000039
Engineers EB - 000185
Surveyors LS - 0006783

Mott MacDonald Florida, LLC

SPRINGFIELD CITY COMPLEX

City of Springfield
1141 TRANSMITTER RD
SPRINGFIELD, FLORIDA 32401

DATE	REV.	REVISION DESCRIPTION
05-18-2022	GM/TW	
	GM/TW	

DESIGNED BY: GM/TW
DRAWN BY: GM/TW
PROJECT ENGINEER: M.M. PROJECT NUMBER: 502100062-004

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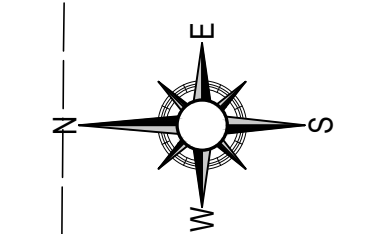
SHEET TITLE:
IRRIGATION PLAN

SHEET NUMBER:
IR.1

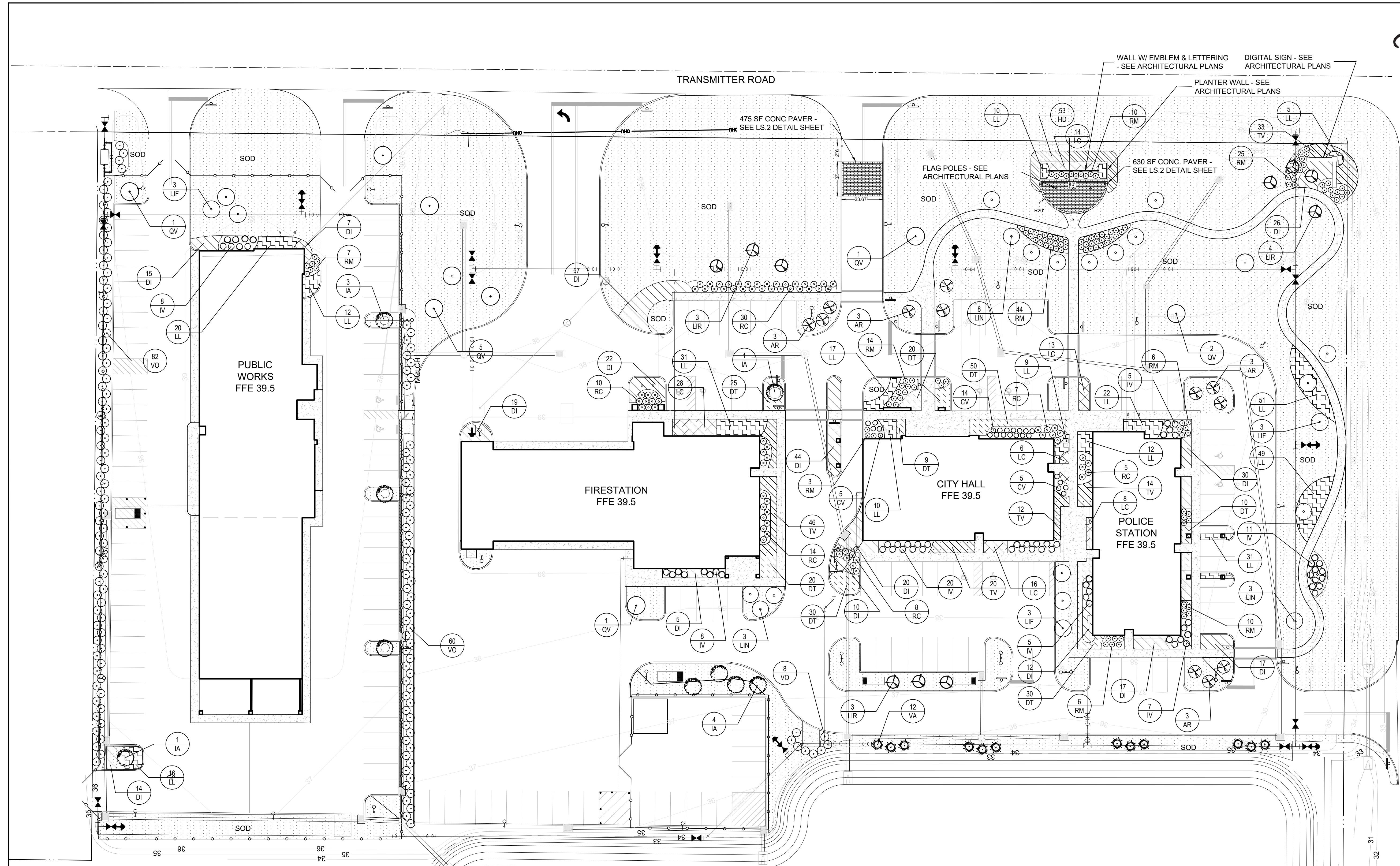


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Telephone: (904) 742-9000
Architect AA - C0000039
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MOTT MACDONALD
Mott MacDonald Florida, LLC



GRAPHIC SCALE
1 inch = 30 ft.



- GENERAL NOTES:**
- ALL PLANT MATERIAL SHALL BE NO. 1 OR BETTER AS DESCRIBED IN THE "GRADES AND STANDARDS FOR NURSERY PLANTS", FIFTH EDITION, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, FLORIDA.
 - QUANTITIES ON LANDSCAPE PLAN ARE MINIMUM ONLY. CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITY TAKE-OFF, AND SHALL PROVIDE ALL PLANT MATERIAL REQUIRED TO FILL PLANT BED AREA AT SPACING ON PLANT SCHEDULE.
 - SPECIFIED HEIGHT, SPREAD, AND VERIFICATION OF THE CALIPER OF PLANT MATERIAL SHALL TAKE PRECEDENCE AND MUST BE MET.
 - ALL SOILS MUST BE TREATED WITH PRE AND POST-EMERGENTS TO PROVIDE WEED-FREE PLANTING BEDS FOR A MINIMUM OF 90 DAYS FROM DATE OF FINAL COMPLETION.
 - A MINIMUM OF 3" THICK PINE STRAW MULCH SHALL BE PLACED WITHIN ALL LANDSCAPE AREAS UNLESS OTHERWISE NOTED.
 - ANY PLANT SIZE AND /OR SUBSTITUTION SHALL BE REVIEW AND APPROVED BY PROJECT LANDSCAPE ARCHITECT.
 - CONTRACTOR TO STAKE LOCATION FOR ALL TREES & PLANTS FOR APPROVAL.
 - CONTRACTOR SHALL TEST SOIL pH AND CONDITION AND AMEND AS REQUIRED TO ACHIEVE PROPER SOIL CONDITIONS AND ENSURE PLANT MATERIAL SURVIVABILITY.

LEGEND

	RED MAPLE		VIBURNUM		ANN MARIE LANTANA
	LIVE OAK		DWARF YAUPON HOLLY		YELLOW AFRICAN IRIS
	EAGLESTON HOLLY		SUNROSA RED SHRUB ROSE		SOCIETY GARLIC
	RED CRAPE MYRTLE		ENCORE AZALEA		BREEZE
	LAVENDER CRAPE MYRTLE		DWARF BOTTLEBRUSH		BEACH SUNFLOWER
	WHITE CRAPE MYRTLE				FLAX LILY
	VITEX				SOD

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LANDSCAPE PLAN

SHEET NUMBER:
LS.1

