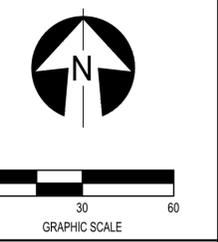


DEMOLITION KEY NOTES

- ① EXISTING SANITARY MANHOLE TO BE ADJUSTED TO GRADE
- ② EXISTING FENCE TO REMAIN.
- ③ EXISTING BOLLARDS TO REMAIN
- ④ EXISTING POLES AND DEADMEN TO REMAIN
- ⑤ REMOVE AND RESTORE EXISTING SATELLITE DISH. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER.
- ⑥ EXISTING FENCING TO BE REMOVED AND RESTORED. COORDINATE WITH PROPERTY OWNER. CONTRACTOR SHALL CUT FENCE, REMOVE POSTS, WELD BACK TOGETHER AND ADD TOUCH UP PAINT AT CONNECTIONS.
- ⑦ REMOVE EXISTING CURB.
- ⑧ EXISTING MANHOLE TO BE ADJUSTED TO NEW DRIVE GRADE
- ⑨ EXISTING ABANDONED WATER SERVICE TO REMAIN
- ⑩ EXISTING PARKING BLOCKS TO BE REMOVED
- ⑪ EXISTING MAILBOX TO BE RELOCATED

| | | |
|--|---|---|
| <ul style="list-style-type: none"> ⊙ - STORM MANHOLE ⊠ - CATCH BASINS ⊡ - CURB INLET ⊙ - DRYWELL ⊙ - SANITARY MANHOLE ⊙ - CLEANOUT ⊙ - WATER MANHOLE ⊗ - WATER VALVE ⊙ - WATER METER ⊙ - FIRE HYDRANT ⊙ - WATER SHUTOFF VALVE | <ul style="list-style-type: none"> ⊙ - TELEPHONE MANHOLE ⊠ - TELEPHONE PEDESTAL ⊙ - UNKNOWN MANHOLE ⊙ - ELECTIC MANHOLE ⊙ - POWER POLE ⊙ - LIGHT POLE ⊙ - POWER & LIGHT POLE ⊙ - BLANK POLE ⊙ - GUY ANCHOR ⊙ - GAS VALVE ⊙ - GAS SHUTOFF VALVE ⊙ - GAS REGULATOR | <ul style="list-style-type: none"> ⊙ - POST ⊠ - TRAFFIC CONTROL CABINET ⊠ - TRAFFIC PULLBOX ⊠ - SIGNAL PEDESTAL ⊠ - UNKNOWN PULLBOX ⊠ - FLAG POLE ⊠ - SIGNS ⊠ - PROJECT CONTROL ⊠ - DECIDUOUS TREE ⊠ - EVERGREEN TREE |
| <ul style="list-style-type: none"> --- - EXISTING MINOR CONTOUR --- - EXISTING MAJOR CONTOUR x --- - EXISTING FENCE LINE --- - EXISTING WOODEN FARM FENCE --- - EXISTING WOODEN PRIVACY FENCE --- - EXISTING SANITARY SEWER LINE --- - EXISTING STORM LINE --- - EXISTING RIGHT OF WAY LINE --- - EXISTING UTILITY TO BE REMOVED --- - SAWCUT EXISTING PAVEMENT --- - EXISTING POLES & BASE TO BE REMOVED | <ul style="list-style-type: none"> --- - EXISTING UNDERGROUND ELECTRIC LINE --- - EXISTING OVERHEAD ELECTRIC LINE --- - EXISTING GAS LINE --- - EXISTING UNDERGROUND TELEPHONE --- - EXISTING WATER LINE ⊙ - EXISTING TREES TO BE REMOVED BY OTHERS. CONTRACTOR SHALL REMOVE STUMPS. ⊠ - EXISTING CONCRETE PAVEMENT TO BE REMOVED OTHERS. ⊠ - EXISTING ASPHALT PAVEMENT TO BE REMOVED ⊠ - EXISTING SIDEWALK TO BE REMOVED ⊠ - EXISTING VEGETATION/TREES TO BE REMOVED | |

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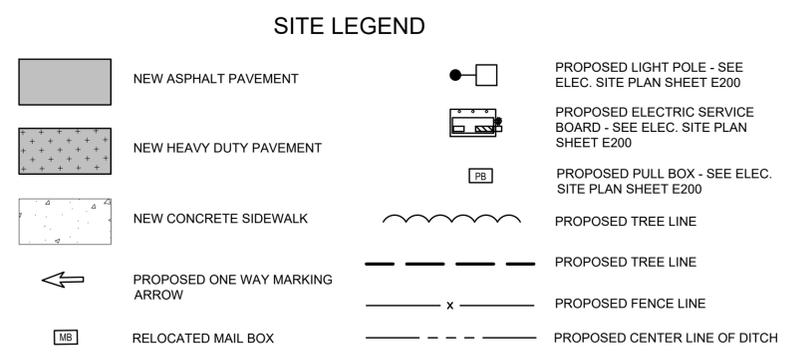
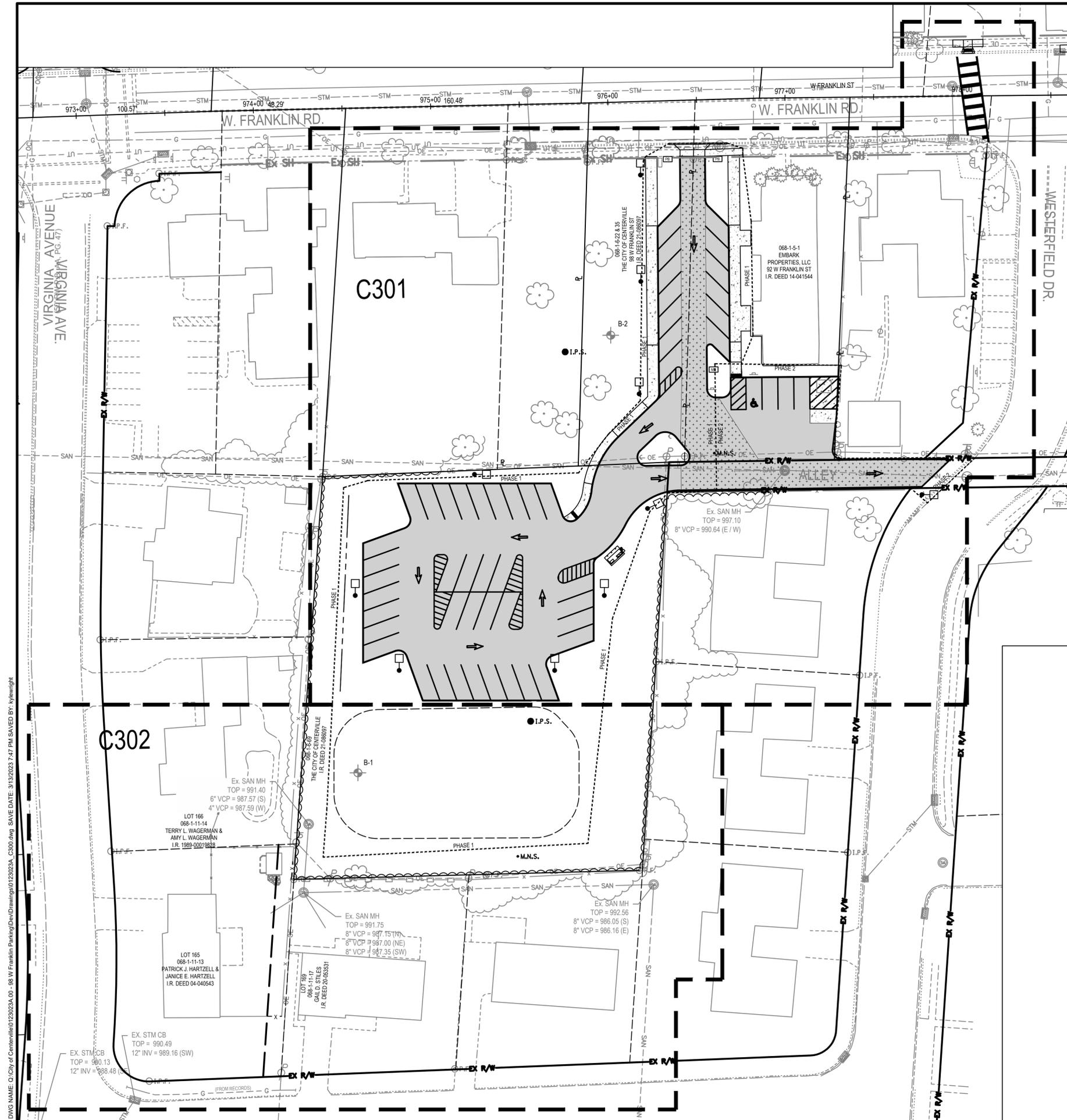
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DESIGNED BY: 0123023A
 DRAWN BY: DATE
 CHECKED BY: 03/13/2023
 SHEET TITLE:

DEMOLITION PLAN

SHEET NUMBER: **C200**

CD SUBMITTAL



| DATE STARTED: 7/13/22 | | DRILL COMPANY: PSI Inc. | | BORING B-01 | |
|---------------------------|------------------------------------|-------------------------|---|-------------|--|
| DATE COMPLETED: 7/13/22 | DRILLER: J.E. | LOGGED BY: C.W. | TEST DATA: <input checked="" type="checkbox"/> Write Drilling | 1.3 feet | |
| COMPLETION DEPTH: 30.1 ft | DRILL RIG: CME 45 C ATV 2007 | | <input checked="" type="checkbox"/> Upon Completion | 1.7 feet | |
| BENCHMARK: N/A | DRILLING METHOD: Hollow Stem Auger | | <input checked="" type="checkbox"/> Cased | 4.5 feet | |
| ELEVATION: 997 ft | SAMPLING METHOD: 2in SS | | | | |
| LATITUDE: 39.62723° | HAMMER TYPE: Automatic | | | | |
| LONGITUDE: -84.16297° | EFFICIENCY: 87% | | | | |
| STATION: N/A | OFFSET: N/A | REVIEWED BY: PSH | | | |
| REMARKS: N/A | | | | | |

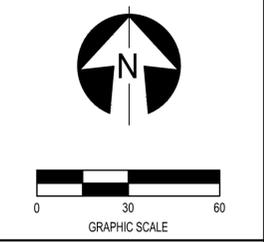
| Elevation (feet) | Depth (feet) | Graphic Log | Sample Type | Sample No. | Recovery (feet) | MATERIAL DESCRIPTION | USCS Classification | SPT Blows per Foot (BS) | STANDARD PENETRATION TEST DATA | Additional Remarks |
|------------------|--------------|-------------|-------------|------------|-----------------|---|---------------------|-------------------------|--------------------------------|--------------------|
| 997.0 | 0 | | | | | TOPSOIL (1'1") | | | | |
| 996.5 | 1 | | | | 1.3 | STIFF, BROWN LEAN CLAY MCI ST | S-4-S | 19 | 11 | |
| 995.5 | 2 | | | | 1.7 | GRAY AND BROWN, CLAY SHALE | S-4-SO/4 | 11 | 11 | |
| 994.5 | 3 | | | | 5.5 | GRAY AND BROWN, LIMESTONE SLIGHT TO MODERATELY FRACTURED. | | | | |
| 993.5 | 4 | | | | 8.0 | CLAY SHALE LAYER AT 9.3 FT | | | | |
| 992.5 | 5 | | | | 10.0 | END OF BORING AT 10.1 FT | | | | |

intertek psi Professional Service Industries, Inc. 4950 Vulcan Ave., Suite C Columbus, OH 43228 Telephone: (614) 676-8000 PROJECT NO: 01022143 PROJECT: LJB Uptown Implementation Franklin Location: Columbus, Montgomery County, Ohio

| DATE STARTED: 7/13/22 | | DRILL COMPANY: PSI Inc. | | BORING B-02 | |
|---------------------------|------------------------------------|-------------------------|---|-------------|--|
| DATE COMPLETED: 7/13/22 | DRILLER: J.E. | LOGGED BY: C.W. | TEST DATA: <input checked="" type="checkbox"/> Write Drilling | 4 feet | |
| COMPLETION DEPTH: 31.1 ft | DRILL RIG: CME 45 C ATV 2007 | | <input checked="" type="checkbox"/> Upon Completion | 7.0 feet | |
| BENCHMARK: N/A | DRILLING METHOD: Hollow Stem Auger | | <input checked="" type="checkbox"/> Cased | | |
| ELEVATION: 997 ft | SAMPLING METHOD: 2in SS | | | | |
| LATITUDE: 39.62723° | HAMMER TYPE: Automatic | | | | |
| LONGITUDE: -84.16297° | EFFICIENCY: 87% | | | | |
| STATION: N/A | OFFSET: N/A | REVIEWED BY: PSH | | | |
| REMARKS: N/A | | | | | |

| Elevation (feet) | Depth (feet) | Graphic Log | Sample Type | Sample No. | Recovery (feet) | MATERIAL DESCRIPTION | USCS Classification | SPT Blows per Foot (BS) | STANDARD PENETRATION TEST DATA | Additional Remarks |
|------------------|--------------|-------------|-------------|------------|-----------------|---|---------------------|-------------------------|--------------------------------|----------------------------------|
| 997.0 | 0 | | | | | TOPSOIL (1'1") | | | | |
| 996.5 | 1 | | | | 1.7 | STIFF BROWN MOTTLED GRAY LEAN CLAY TRACE ROOT HAIR MCI ST | S-4-S | 16 | 11 | |
| 995.5 | 2 | | | | 3.4 | WET AT 3.5 FT TO 4.5 FT Lean Clay (CL) | S-4-S | 14 | 11 | LL = 29 P ₁₀₀ = 86.5% |
| 994.5 | 3 | | | | 5.1 | GRAY AND BROWN, CLAY SHALE | 35-20-36 | 7 | 7 | |
| 993.5 | 4 | | | | 6.8 | LITTLE LIMESTONE LAYER AT 6.3 FT | | | | |
| 992.5 | 5 | | | | 8.5 | LIMESTONE ALGEE REFUSAL AT 8 FT | 50R | 13 | 13 | |

intertek psi Professional Service Industries, Inc. 4950 Vulcan Ave., Suite C Columbus, OH 43228 Telephone: (614) 676-8000 PROJECT NO: 01022143 PROJECT: LJB Uptown Implementation Franklin Location: Columbus, Montgomery County, Ohio



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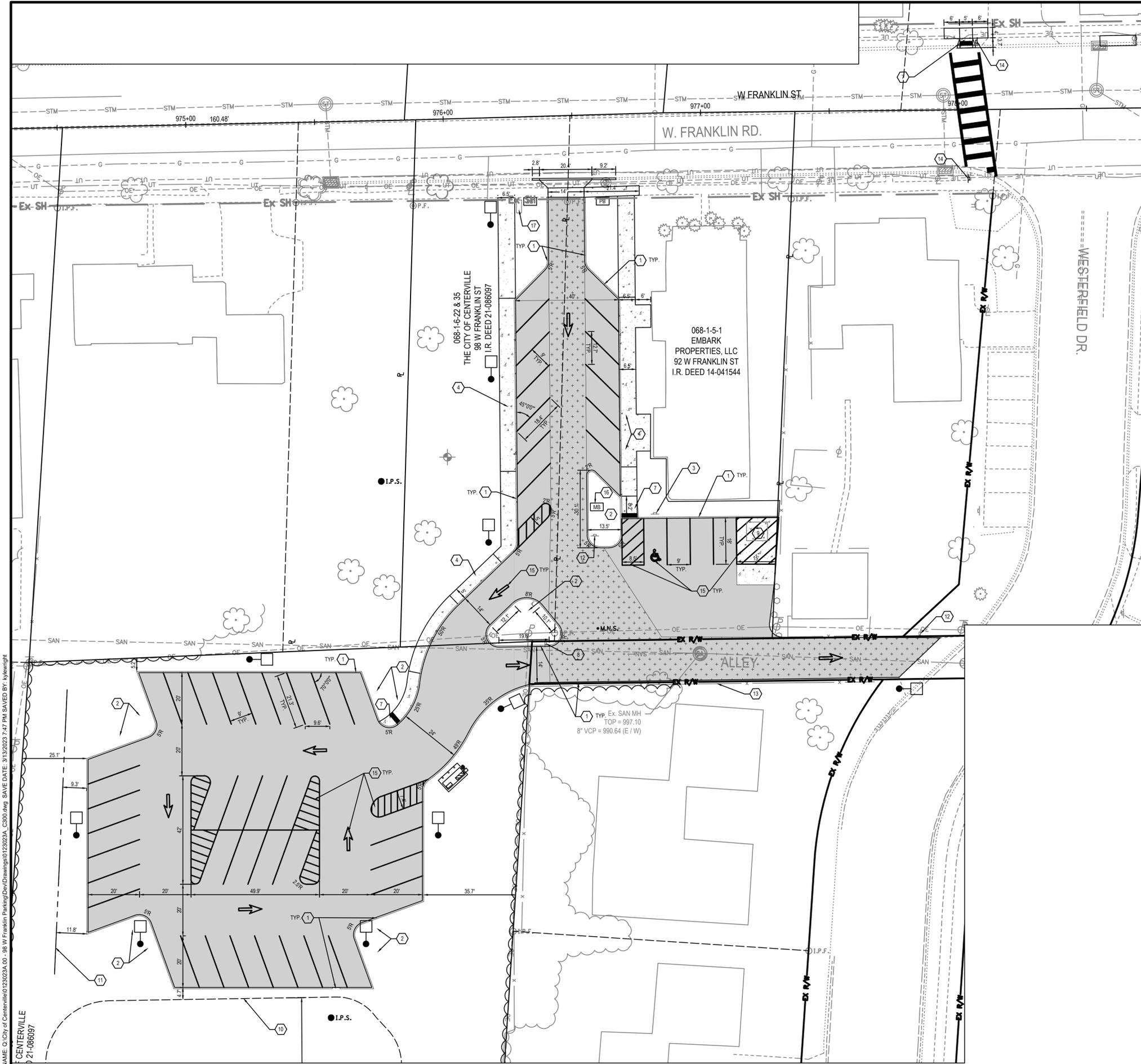
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OVERALL SITE PLAN
C300

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SITE LEGEND

-  NEW ASPHALT PAVEMENT
-  NEW HEAVY DUTY PAVEMENT
-  NEW CONCRETE SIDEWALK / DUMPSTER PAVEMENT
-  PROPOSED LIGHT POLE - SEE ELEC. SITE PLAN SHEET E200
-  PROPOSED ELECTRIC SERVICE BOARD - SEE ELEC. SITE PLAN SHEET E200
-  PROPOSED PULL BOX - SEE ELEC. SITE PLAN SHEET E200
-  RELOCATED MAIL BOX
-  PROPOSED TREE LINE
-  PROPOSED CENTER LINE OF DITCH
-  PROPOSED ONE WAY MARKING ARROW

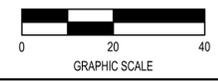
KEYED NOTES:

- 1 6" CONCRETE BARRIER CURB
- 2 LANDSCAPE AREA
- 3 HANDICAP SIGNAGE
- 4 NEW SIDEWALK
- 5 BUMPER BLOCKS
- 6 CONCRETE DRIVE APRON
- 7 HANDICAP RAMP
- 8 STOP SIGNAGE
- 9 DUMPSTER ENCLOSURE AND CONCRETE PAD, SEE LANDSCAPE PLANS
- 10 PROPOSED DETENTION BASIN
- 11 PROPOSED DITCH LINE
- 12 DO NOT ENTER SIGNAGE (ODOT RS-1)
- 13 DO NOT DISTURB EXISTING FENCE
- 14 SOLAR POWERED & WIRELESS RECTANGULAR RAPID FLASHING BEACONS (RRFB) SIGNAL. SEE CIVIL DETAIL.
- 15 STRIPING LINES
- 16 RELOCATED MAIL BOX
- 17 PARKING ENTRY SIGNAGE - SEE LANDSCAPE PLANS



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SHEET TITLE

**SITE LAYOUT
PLAN**

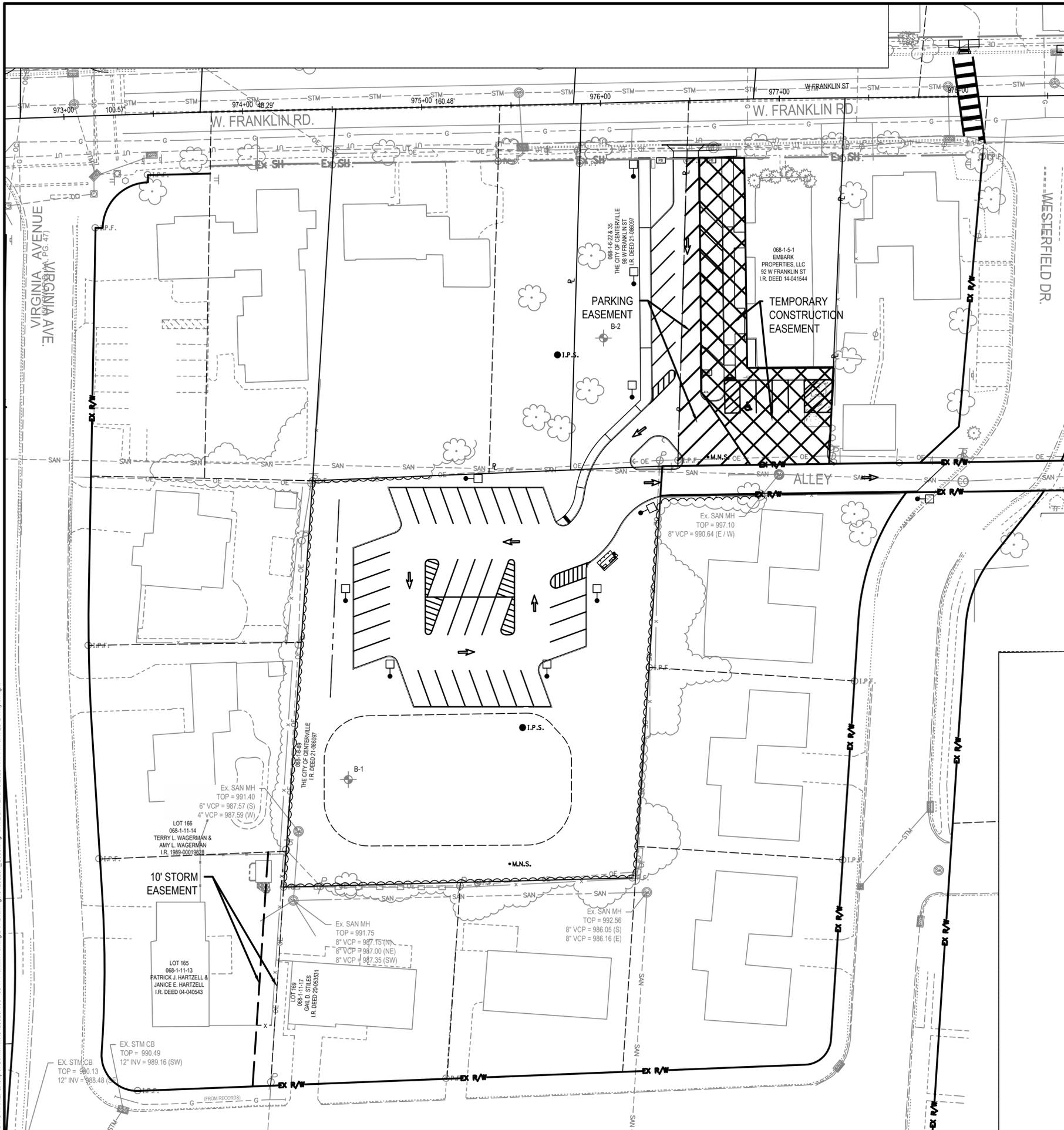
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C301

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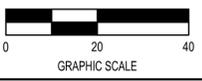
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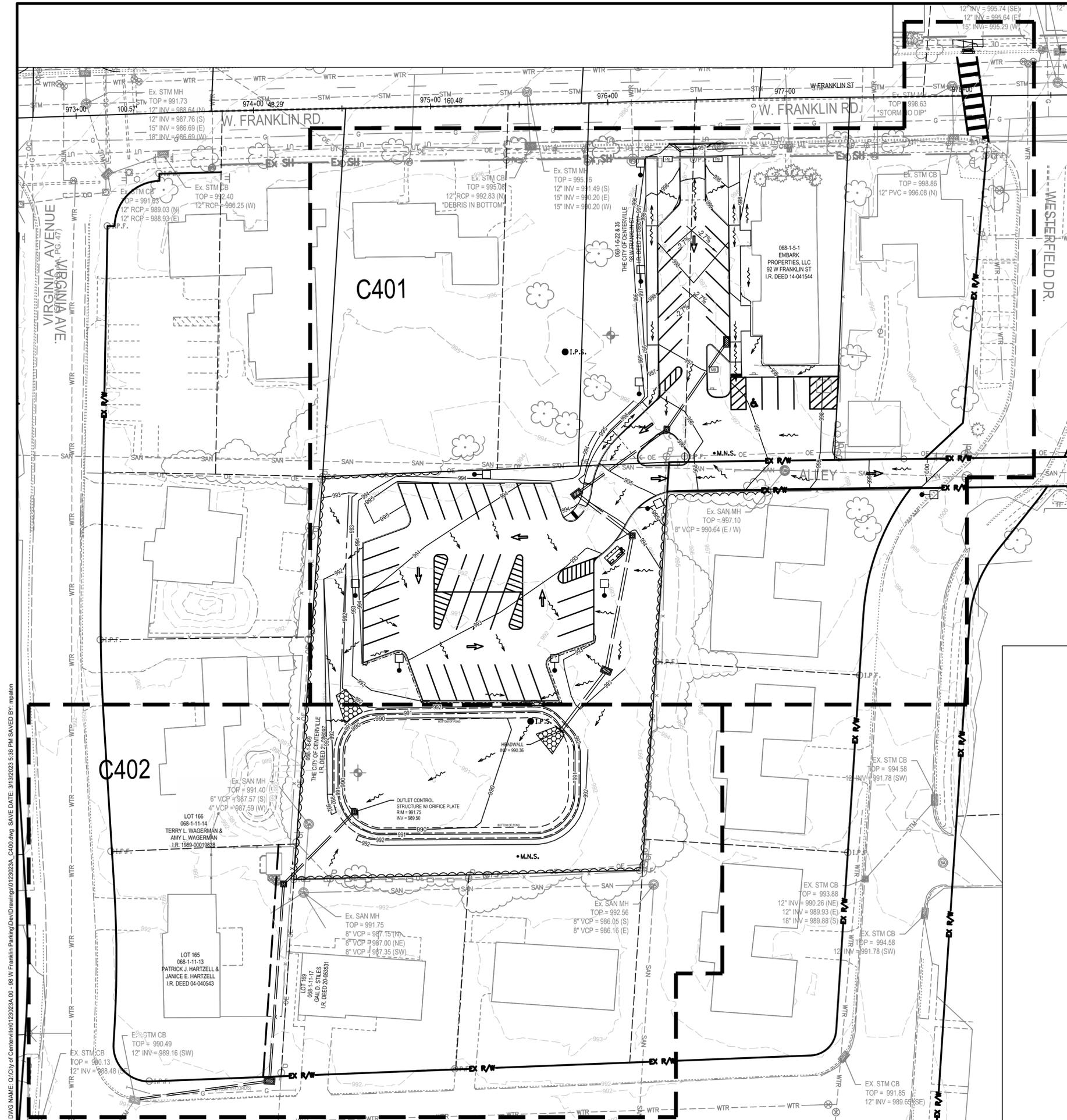
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| DRAWN | SE | DATE | 03/13/2023 |
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EASEMENT
EXHIBIT

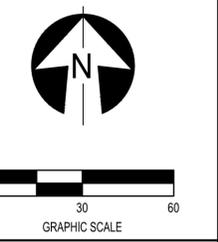
SHEET NUMBER

C303

CD SUBMITTAL



- LEGEND**
- 966 — FINISH GRADE MINOR CONTOUR
 - 965 — FINISH GRADE MAJOR CONTOUR
 - - - 966 - - - EXISTING MINOR CONTOUR
 - - - 965 - - - EXISTING MAJOR CONTOUR
 - — — PROPOSED CENTER LINE OF DITCH
 - - - - - PROPOSED UTILITY EASEMENT LINE
 - - - - - PROPOSED GRADING BREAK LINE
 - ==== PROPOSED STORM
 - - - - - PROPOSED UNDERDRAIN
 - PROPOSED FLOW ARROWS
 - ↔ PROPOSED ONE WAY MARKING ARROW
 - ⊗ EXISTING STORM CURB INLET
 - ⊙ PROPOSED STORM MANHOLE



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OVERALL GRADING PLAN
SHEET NUMBER
C400

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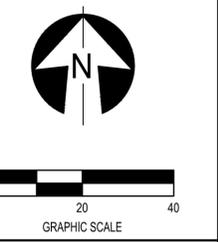
CD SUBMITTAL



LEGEND

| | | |
|--|---------------------|--|
| | 966 | FINISH GRADE MINOR CONTOUR |
| | 965 | FINISH GRADE MAJOR CONTOUR |
| | 966 | EXISTING MINOR CONTOUR |
| | 965 | EXISTING MAJOR CONTOUR |
| | | PROPOSED CENTER LINE OF DITCH |
| | | PROPOSED UTILITY EASEMENT LINE |
| | | PROPOSED GRADING BREAK LINE |
| | | PROPOSED STORM |
| | | PROPOSED UNDERDRAIN |
| | | PROPOSED FLOW ARROWS |
| | | PROPOSED ONE WAY MARKING ARROW |
| | | EXISTING STORM CURB INLET |
| | | PROPOSED STORM MANHOLE |
| | | PROPOSED STORM CATCH BASIN |
| | 827.96 | PROPOSED SPOT ELEVATIONS |
| | 827.96 TC | PROPOSED SPOT ELEVATIONS AT TOP OF CURB |
| | 827.96 FF | PROPOSED SPOT ELEVATIONS AT FINISH FLOOR |
| | 827.96 TG | PROPOSED SPOT ELEVATIONS AT FACE OF CATCH BASIN |
| | 827.96 828.46 TC | PROPOSED SPOT ELEVATIONS AT FACE OF CURB AND TOP OF CURB |
| | 827.96 Match EX | PROPOSED SPOT ELEVATIONS AT EXISTING SURFACE |
| | 827.96 827.96 FP | PROPOSED SPOT ELEVATIONS AT FLUSH PAVEMENT |

- GRADING NOTES:**
- SPOT ELEVATIONS SHOWN AT CURB LOCATIONS INDICATES THE ELEVATION AT THE BOTTOM, FACE OF CURB.
 - UNDERCUT BOTTOM OF DETENTION BASIN 12" AND BACKFILL WITH 6" OF FILL DIRT AND 6" OF TOPSOIL TO PROMOTE GRASS GROWTH.



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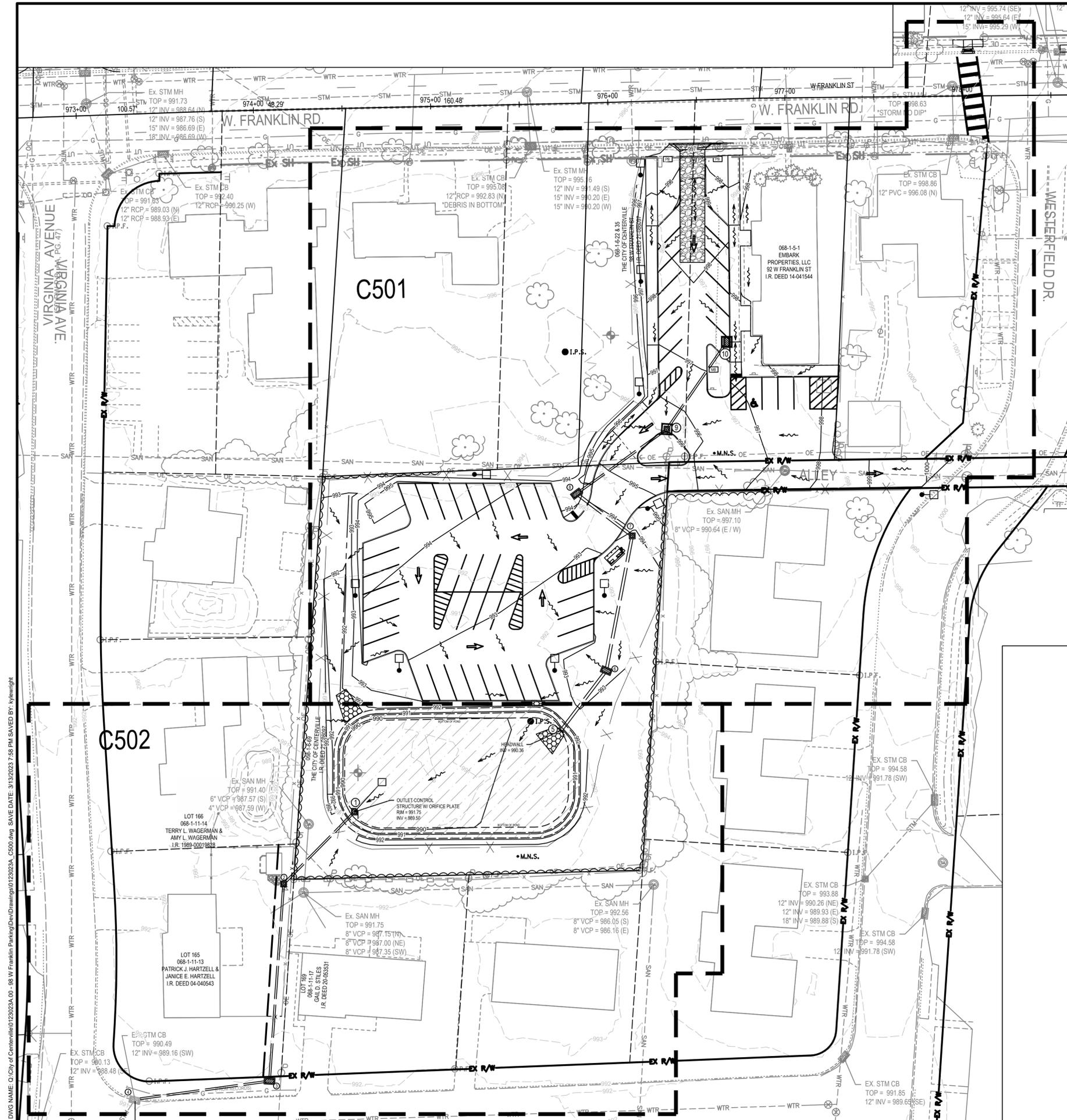
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| DESIGNED BY | 0123023A |
| DRAWN BY | DATE |
| CHECKED BY | 03/13/2023 |
| SHEET TITLE | |

GRADING PLAN

SHEET NUMBER
C401

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LEGEND

- 966 — FINISH GRADE MINOR CONTOUR
- 965 — FINISH GRADE MAJOR CONTOUR
- - - 966 - - - EXISTING MINOR CONTOUR
- - - 965 - - - EXISTING MAJOR CONTOUR
- - - - - CENTER LINE OF DITCH
- — — PROPOSED STORM
- (SF) X PROPOSED SILT FENCE SEE SHEET C504
- PROPOSED FLOW ARROWS
- ↑ PROPOSED ONE WAY MARKING ARROW
- (SM) PROPOSED STORM MANHOLE
- (S) PROPOSED STORM CATCH BASIN
- (IP) PROPOSED INLET PROTECTION, SEE SHEET C503
- (CE) PROPOSED CONSTRUCTION ENTRANCE, SEE SHEET C503
- (PP) PROPOSED EASYPAVE GRID GRASS PERVIOUS PAVERS OR APPROVED EQUAL

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0 30 60
GRAPHIC SCALE

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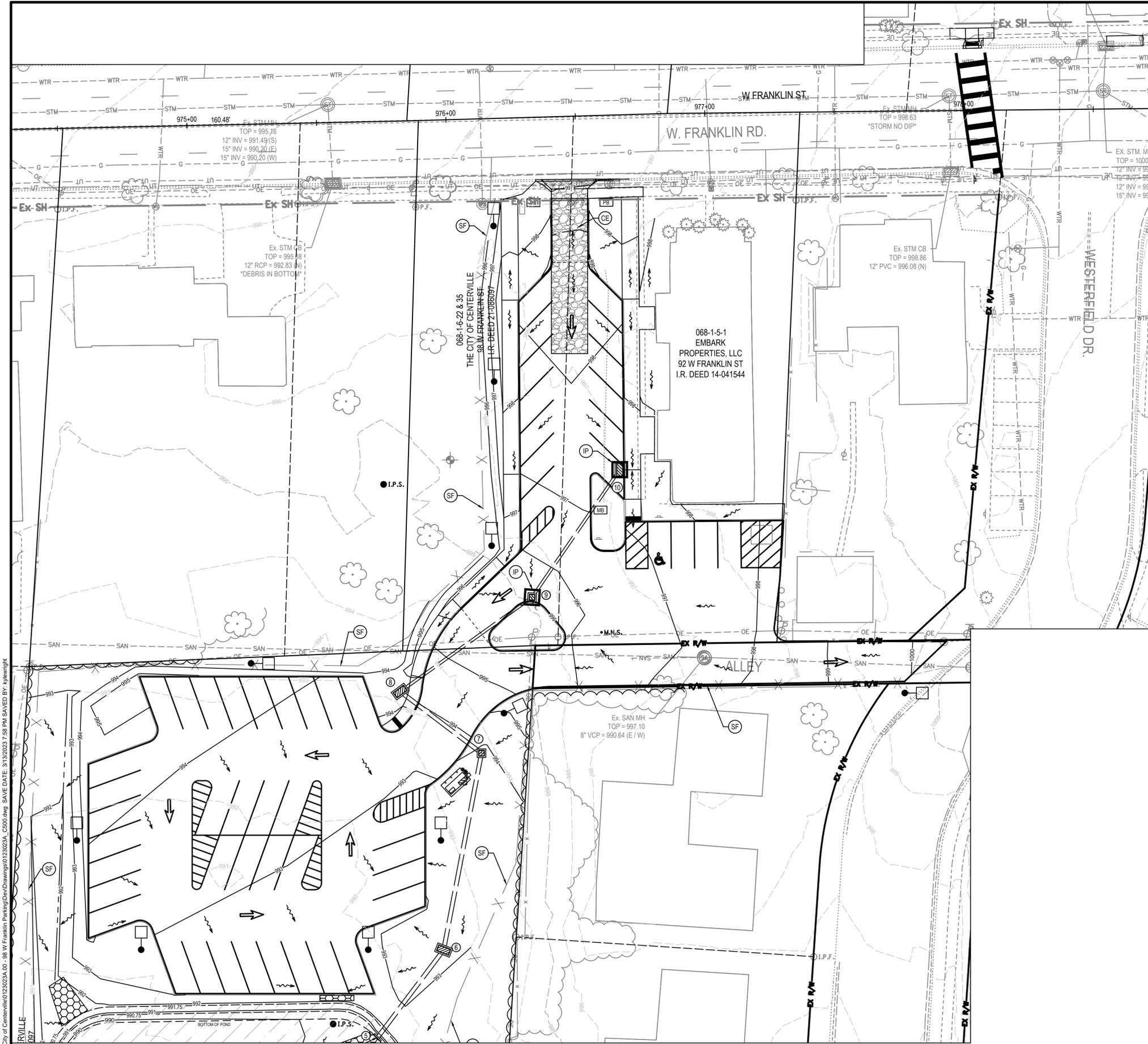
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OVERALL SWPPP PLAN

SHEET NUMBER
C500

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LEGEND

- 966 — FINISH GRADE MINOR CONTOUR
- 965 — FINISH GRADE MAJOR CONTOUR
- - - 966 - - - EXISTING MINOR CONTOUR
- - - 965 - - - EXISTING MAJOR CONTOUR
- - - - - CENTER LINE OF DITCH
- ==== PROPOSED STORM
- (SF) X PROPOSED SILT FENCE SEE SHEET C504
- PROPOSED FLOW ARROWS
- ↔ PROPOSED ONE WAY MARKING ARROW
- (SM) PROPOSED STORM MANHOLE
- (S) PROPOSED STORM CATCH BASIN
- (IP) PROPOSED INLET PROTECTION, SEE SHEET C503
- (CE) PROPOSED CONSTRUCTION ENTRANCE, SEE SHEET C503
- (PP) PROPOSED EASYPAVE GRID GRASS PERVIOUS PAVERS OR APPROVED EQUAL

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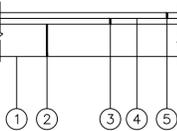
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CHECKED BY: 03/13/2023
SHEET TITLE

SWPPP PLAN

SHEET NUMBER
C501

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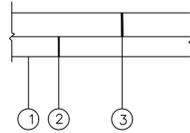


- ① ITEM 203 ~ SUBGRADE COMPACTION - 12" MINIMUM
- ② ITEM 304 ~ AGGREGATE BASE, 6" CRUSHED LIMESTONE
- ③ ITEM 441 ~ TYPE 1 W/ (448) ASPHALTIC CONCRETE, 2" INTERMEDIATE COURSE
- ④ ITEM 407 ~ TACK COAT APPLIED @ 0.10 GAL/SY
- ⑤ ITEM 441 ~ TYPE 1, ASPHALTIC CONCRETE, 1.5" SURFACE COURSE

NOTE:

1. ALL ITEM NUMBERS REFER TO STATE OF OHIO DEPARTMENT OF TRANSPORTATION. CONSTRUCTION AND MATERIALS SPECIFICATIONS, JANUARY 2019 EDITION OR LATEST REVISION THEREOF.
2. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR ENGINEERING REVIEW AND RECEIVE APPROVAL PRIOR TO PAVING.

STANDARD DUTY PAVEMENT SECTION
NOT TO SCALE

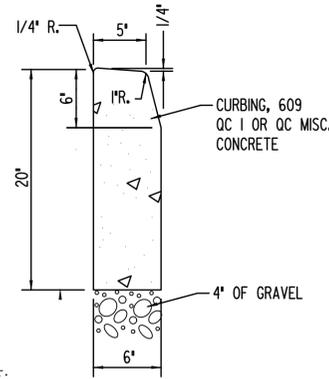


- ① SUBGRADE COMPACTION
- ② AGGREGATE BASE, 4" COURSE
- ③ 4" CONCRETE, 4000 PSI @ 28 DAYS

NOTE:

1. TOOLED JOINTS EVERY 5'-0" C/C, VINYL EXPANSION JOINTS EVERY 25'-0" C/C
2. CONTRACTOR SHALL REFER TO ITEM C608 SPECIFICATION QC1 OR QC MISC. MIX DESIGN

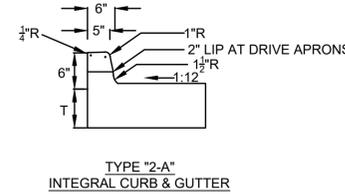
CONCRETE SIDEWALK DETAIL
NOT TO SCALE



NOTE:

1. CONTRACTOR SHALL REFER TO C609 SPECIFICATION QC1 OR QC MISC. MIX DESIGN
2. TOOLED JOINTS EVERY 5'-0" C/C, VINYL EXPANSION JOINTS EVERY 50'-0" C/C AT STRUCTURES OR RADIUS

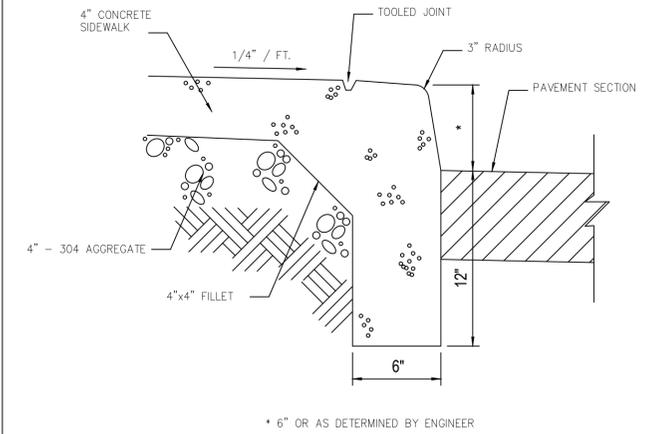
CONCRETE BARRIER CURB
NOT TO SCALE



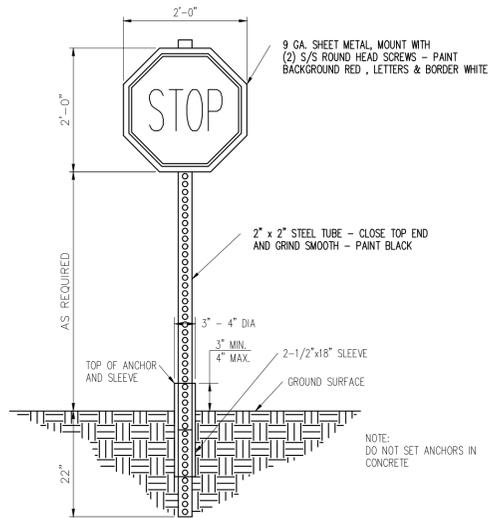
NOTE:

1. USE IN BUSINESS AND INDUSTRIAL AREAS
2. TRANSVERSE PAVEMENT JOINTS SHALL BE EXTENDED THRU CURB
3. T = EXISTING PAVEMENT THICKNESS, BUT NOT LESS THAN 7"

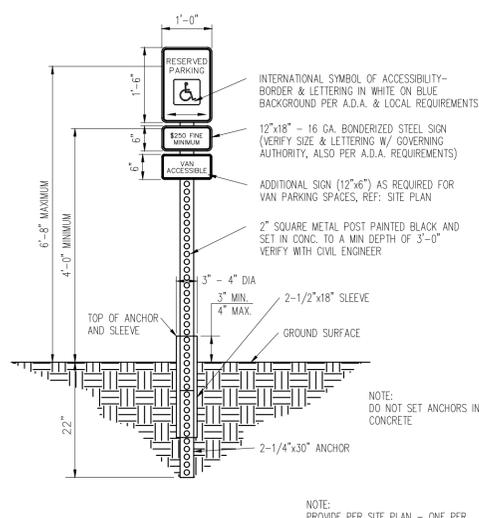
TYPE "2-A" INTEGRAL CURB & GUTTER
NOT TO SCALE



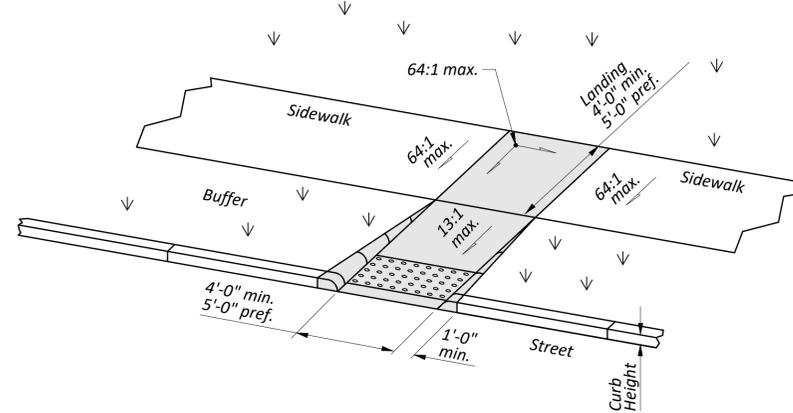
CURB CONSTRUCTION ALONG WALK
NOT TO SCALE



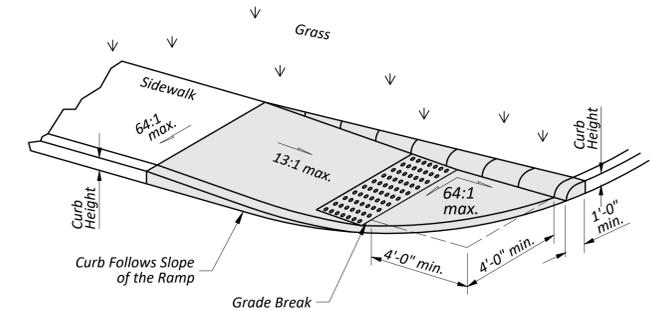
STOP SIGN DETAIL
NOT TO SCALE



TYPICAL HANDICAP PARKING SIGN ~ BARRIER FREE
NOT TO SCALE
(ALL DIMENSIONS SHALL CONFORM TO ADA STANDARDS)

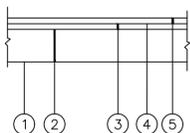


Type A2 (Perpendicular with returned curb)



Type B3 (Single sided Parallel)

CURB RAMP DETAILS
NOT TO SCALE

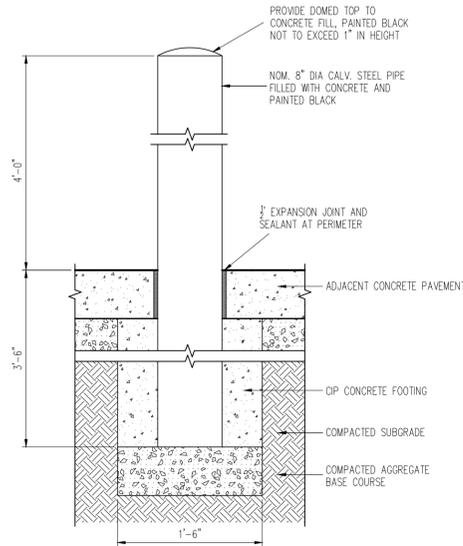


- ① ITEM 204 ~ SUBGRADE COMPACTION - 12" MINIMUM
- ② ITEM 304 ~ AGGREGATE BASE, 8" COURSE
- ③ ITEM 441 ~ ASPHALT CONCRETE, 2.5" INTERMEDIATE COURSE
- ④ ITEM 407 ~ TACK COAT APPLIED @ 0.10 GAL/SY
- ⑤ ITEM 441 ~ ASPHALT CONCRETE, 1.5" SURFACE COURSE

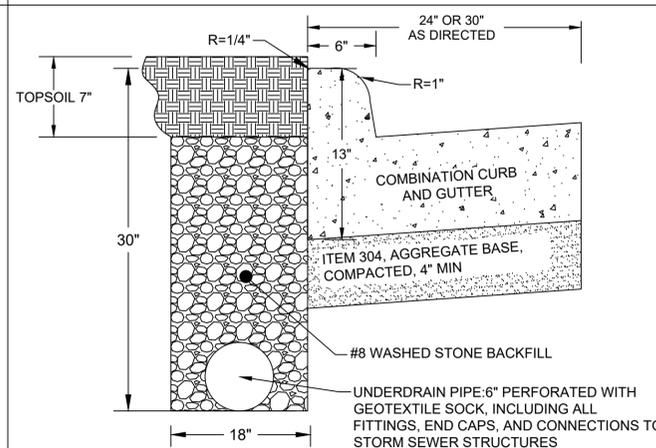
NOTE:

1. ALL ITEM NUMBERS REFER TO STATE OF OHIO DEPARTMENT OF TRANSPORTATION. CONSTRUCTION AND MATERIALS SPECIFICATIONS, 2019 EDITION OR LATEST REVISION THEREOF.
2. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR ENGINEERING REVIEW AND RECEIVE APPROVAL PRIOR TO PAVING.

HEAVY DUTY PAVEMENT SECTION
NOT TO SCALE



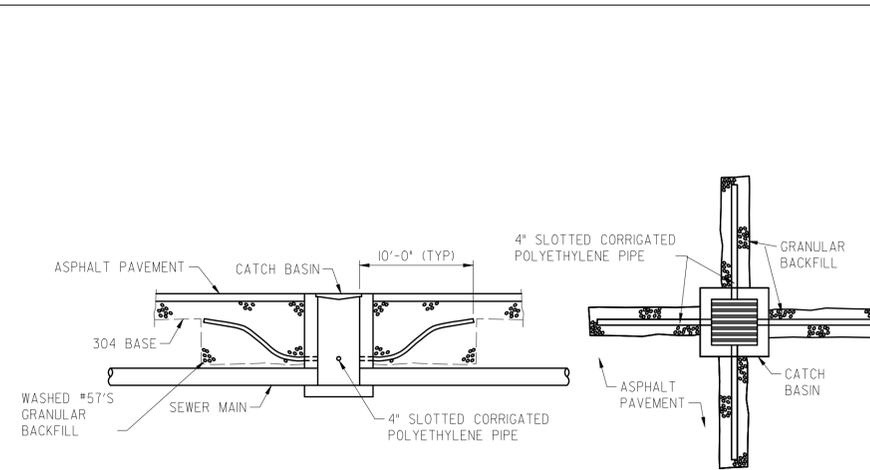
SERVICE BOLLARD
NOT TO SCALE



NOTE:

1. IF SPECIFIED 4" PIPE, USE 12" TRENCH WIDTH, ONLY AS DIRECTED
2. TOPSOIL SHALL BE PLACED TO 1" ABOVE THE CURB

UNDERDRAIN DETAIL
NOT TO SCALE



FINGERDRAIN DETAIL
NOT TO SCALE

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CITY OF CENTERVILLE

100 WEST SPRING VALLEY ROAD
CENTERVILLE, OHIO 45458



98 WEST FRANKLIN
PUBLIC PARKING

98 W FRANKLIN STREET
CENTERVILLE, OHIO 45429



UNIQUE - VIBRANT - HISTORIC

REV DATE RELEASED FOR

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DRAWN BY DATE
CHECKED BY 03/13/2023
SHEET TITLE

DETAILS

SHEET NUMBER

C600

DWG NAME: C:\City of Centerville\0123023A_00 - 98 W Franklin Parking\Drawings\0123023A_C600.dwg SAVE DATE: 3/13/2023 7:41 PM SAVED BY: vjwright



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UNIQUE - VIBRANT - HISTORIC

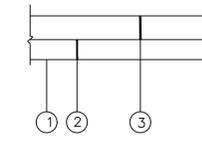
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DRAWN BY DATE
CHECKED BY 03/13/2023
SHEET TITLE

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SHEET TITLE

DETAILS

SHEET NUMBER
C601



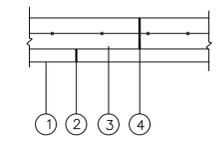
- ① SUBGRADE COMPACTION
- ② AGGREGATE BASE, 4" COURSE
- ③ 4" CONCRETE, 4000 psi @ 28 DAYS

NOTE:

1. CONTRACTION JOINTS EVERY 5'-0" c/c, EXPANSION JOINTS EVERY 25'-0" c/c
2. CONTRACTOR SHALL REFER TO C608 SPECIFICATION QC1 OR QC MISC. MIX DESIGN
3. PROVIDE FINISH ON CONCRETE SURFACES AFTER EDGE TOOLING. PROVIDE 1/4" RADIUS ON ALL SLAB EDGES.
4. EXTEND COMPACTED AGGREGATE BASE 6" BEYOND EDGE OF PAVEMENT

CONCRETE SIDEWALK
DETAIL

NOT TO SCALE

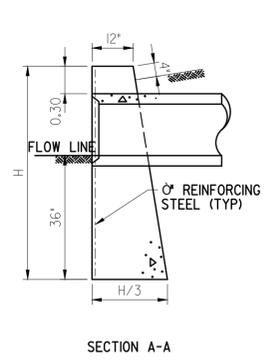


- ① ITEM 203 ~ SUBGRADE COMPACTION - 8" MINIMUM SOIL SUBBASE IN ROCK EXCAVATED AREAS
- ② ITEM 304 ~ AGGREGATE BASE, 4" COURSE
- ③ 1-LAYER ~ 6 x 6 W2.9 x W2.9 W.W.F.
- ④ 8" CONCRETE, 4000 psi

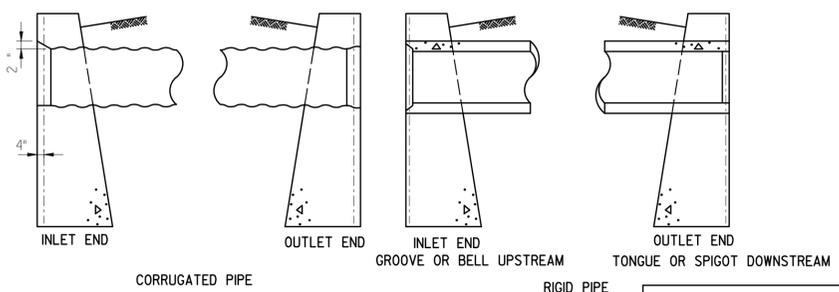
NOTE:

1. ALL ITEM NUMBERS REFER TO STATE OF OHIO DEPARTMENT OF TRANSPORTATION. CONSTRUCTION AND MATERIALS SPECIFICATIONS, JANUARY 1991 EDITION OR LATEST REVISION THEREOF.
2. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR ENGINEERING REVIEW AND RECEIVE APPROVAL PRIOR TO PAVING.
3. PROVIDE FINISH ON CONCRETE SURFACES AFTER EDGE TOOLING. PROVIDE 1/4" RADIUS ON ALL SLAB EDGES.
4. EXTEND COMPACTED AGGREGATE BASE 6" BEYOND EDGE OF PAVEMENT

DUMPSTER PAD DETAIL
NOT TO SCALE



STANDARD No. 1 HEADWALL
NOT TO SCALE



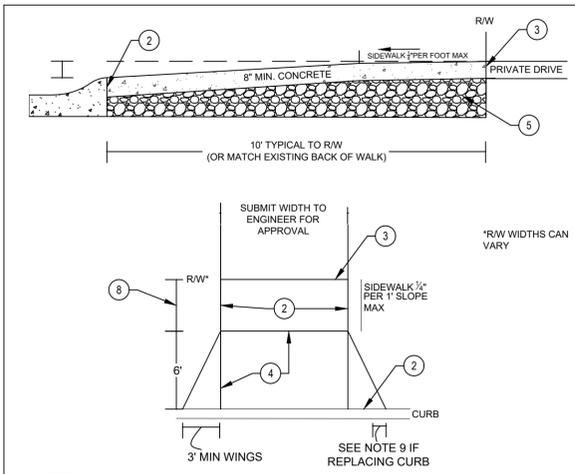
END TREATMENT AT HEADWALL
HW-1 HEADWALLS
NOT TO SCALE

NOTES:

1. No. 1 HEADWALL WHERE REQUIRED WILL BE PROVIDED FOR NONSKEWED CULVERTS HAVING A DIAMETER OR RISE OF 36" OR LESS.
2. CONCRETE SHALL BE CLASS "C". REINFORCING STEEL BARS SHALL BE 5/8" ROUND.
3. DIMENSIONS AND QUANTITIES ARE SHOWN FOR CIRCULAR SECTIONS ONLY. IT WILL BE NECESSARY TO DETERMINE DIMENSIONS FOR THE NO. 1 HEADWALL REQUIRED FOR REINFORCED ELLIPTICAL CONCRETE PIPE OR CORRUGATED METAL PIPE. ARCHES IN ACCORDANCE WITH THE EQUATIONS LISTED ON THIS DRAWING.
4. CHAMFER ALL EXPOSED CORNERS OF AN INCH.
5. FOUNDATIONS WHERE THE SOIL BORING INDICATE A BEARING CAPACITY OF LESS THAN 2600 lbs/sf, IT WILL BE NECESSARY TO INCREASE THE WIDTH OF THE BASE.

| DIAMETER | DIMENSIONS | | | QUANTITIES ONE HEADWALL | |
|----------|------------|--------|--|-------------------------|------------------------|
| | H | L | | CONCRETE CU. YDS. | REINFORCING STEEL LBS. |
| 15" | 5'-2" | 7'-0" | | 1.7 | 41 |
| 18" | 5'-5" | 8'-4" | | 2.2 | 57 |
| 21" | 5'-8" | 9'-8" | | 2.8 | 62 |
| 24" | 5'-11" | 11'-0" | | 3.3 | 69 |
| 30" | 6'-5" | 13'-8" | | 4.7 | 92 |
| 36" | 7'-0" | 16'-4" | | 6.5 | 105 |

L CIRCULAR SECTIONS = 5D + 4T
 L ELLIPTICAL OR PIPE-ARCH = 4R + 4T + S
 H CIRCULAR SECTIONS = D + T + 44"
 H ELLIPTICAL OR PIPE-ARCH = R + T + 44"
 D = DIAMETER OF PIPE
 R = RISE OF PIPE
 S = SPAN OF PIPE
 T = THICKNESS OF BARREL
 L = LENGTH OF HEADWALL
 H = HEIGHT OF HEADWALL

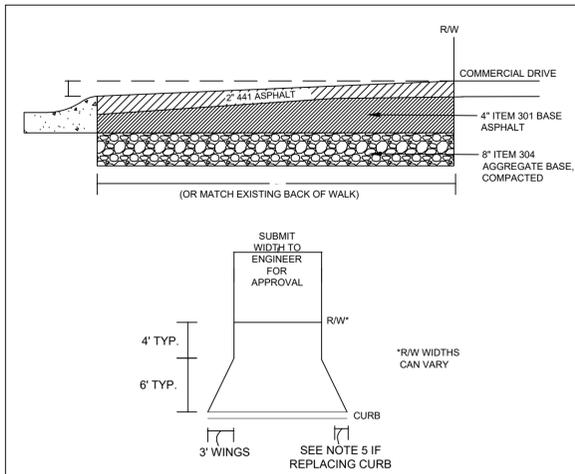


- NOTES:
1. SET ELEVATION AT BACK OF WALK AT 2" PER FOOT ABOVE THE TOP OF STANDARD CURB. A TYPICAL DRIVEWAY AT THE BACK OF WALK WILL BE 5" ABOVE THE TOP OF STANDARD CURB HEIGHT.
 2. FULL-DEPTH 8" VINYL EXPANSION MATERIAL 2" THICK REQUIRED.
 3. 4" VINYL EXPANSION MATERIAL TO MATCH CONCRETE THICKNESS BEHIND RIGHT OF WAY. IF ASPHALT BEHIND RIGHT OF WAY, EXPANSION NOT NEEDED.
 4. TOOLED CONTRACTION JOINT - ALL JOINTS SHALL BE 2" TOOLED JOINTS WITH LIGHT RETRACE (SAW JOINTS PROHIBITED).
 5. ITEM 304 COMPACTED SUBGRADE AND 4" OF AGGREGATE BASE SHALL BE PLACED UNDER DRIVE APPROACH. NO SLAG USE FOR BASE.
 6. ALL EXPOSED SURFACES SHALL BE BROOMED AND EGGED. CURING COMPOUND SHALL BE APPLIED ON ALL FINISHED CONCRETE IN R/W PER ITEM 451.11.
 7. FOR TREE LAWNS OF LESS THAN 6 FEET IN WIDTH, CALL INSPECTOR PRIOR TO REMOVAL.
 8. SIDEWALK CAN VARY IN WIDTH DEPENDING ON EXISTING CONDITIONS (4" ±).
 9. NOTE IF REPLACING CURB. CONTACT INSPECTOR PRIOR TO SAWING CURB. TOP OF DEPRESSED CURB SHALL BE 1 1/2" ABOVE THE FLOW LINE OF CURB. 12" HORIZONTAL TRANSITION FOR DEPRESSED CURB. CURB AND DRIVEWAY SHALL BE POURED SEPARATELY.

CITY OF CENTERVILLE, OH
 PUBLIC WORKS DEPARTMENT
 7970 SOUTH SUBURBAN ROAD
 CENTERVILLE, OHIO 45458
 PHONE (937) 433-6276
 FAX (937) 433-0286

C441 COMMERCIAL CONCRETE DRIVE APRON

Approval: James Brinegar City Engineer
 Date: Sept. 2020
 Revision: Jan. 2021
 Scale: None
 Sheet: 1 of 1

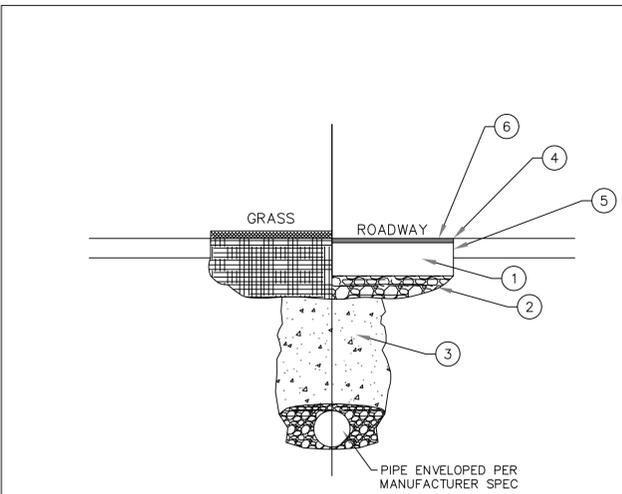


- NOTES:
1. PLEASE CALL 937-428-4782 FOR INSPECTION ONE DAY PRIOR TO PLACEMENT OF ASPHALT.
 2. ELEVATION AT RIGHT OF WAY IS EQUAL TO 2" PER 1' ABOVE TOP OF CURB. A TYPICAL DRIVEWAY AT 10' RW LINE WILL BE 5" ABOVE THE TOP OF STANDARD HEIGHT CURB.
 3. TACK COAT BACK OF CURB PER ODOT 401.14 BEFORE ASPHALT IS PLACED.
 4. IF STREET HAS CONCRETE WALK, DRIVE APRON MUST BE CONCRETE.
 5. NOTE IF REPLACING CURB. CONTACT INSPECTOR PRIOR TO SAWING CURB. DEPRESSED CURB SHALL BE 1 1/2" ABOVE THE FLOW LINE OF CURB. 12" HORIZONTAL TRANSITION FOR DEPRESSED CURB.

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 CENTERVILLE, OHIO 45458
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C441 COMMERCIAL ASPHALT DRIVE APRON

Approval: James Brinegar City Engineer
 Date: Sept. 2020
 Revision: Jan. 2021
 Scale: None
 Sheet: 1 of 1

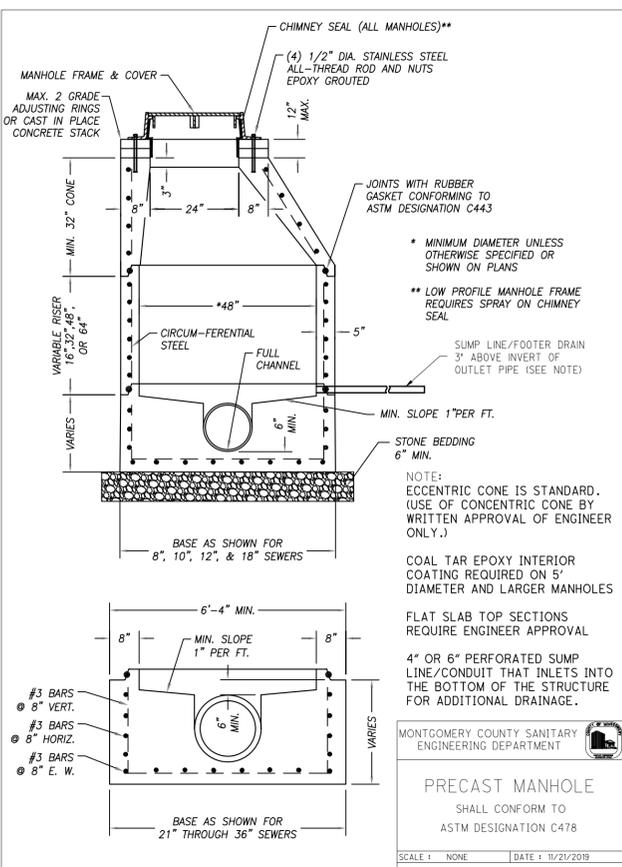


- NOTES:
1. RESTORATION ON RESIDENTIAL ROADWAYS SHALL INCLUDE 4" ODOT ITEM 301 AND 2" OF ODOT ITEM 448. RESTORATION ON MAIN ROADWAYS SHALL INCLUDE 10" OF ODOT ITEM 301 AND 2" OF ODOT ITEM 441 (448).
 2. ITEM 304 AGGREGATE BASE, COMPACTED, AS DIRECTED BY ENGINEER. 4" DEPTH ON RESIDENTIAL ROADWAYS AND 6" DEPTH ON MAIN ROADWAYS.
 3. 98% COMPACTED ODOT ITEM 310 OR FLOWABLE FILL (LSM 100)
 4. AC SEAL EDGE TOP
 5. REAT ALL EDGES WITH JOINT ADHESIVE (ODOT 401.14)
 6. ITEM C407 TRACKLESS TACK COAT
 7. FOR OPEN-CUTS IN THE ROADWAY, GRAVEL, ODOT ITEM 310, OR FLOWABLE FILL (LSM 100) BACKFILL IS REQUIRED.
 8. IF BORING OR POTHOLING THE ROADWAY, BACKFILL WITH FLOWABLE FILL.

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 PUBLIC WORKS DEPARTMENT
 7970 SOUTH SUBURBAN ROAD
 CENTERVILLE, OHIO 45458
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 FAX (937) 433-0286

ROADWAY / RIGHT-OF-WAY CUTS

Approval: James Brinegar City Engineer
 Date: June 2021
 Revision: None
 Scale: None
 Sheet: 1 of 1



MONTGOMERY COUNTY SANITARY ENGINEERING DEPARTMENT

PRECAST MANHOLE
 SHALL CONFORM TO
 ASTM DESIGNATION C478

SCALE: NONE DATE: 10/21/2019

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DESIGNED BY
DRAWN BY
CHECKED BY
DATE
JOB NUMBER
0123023A
DATE
03/13/2023

DETAILS

C603

CD SUBMITTAL

NOTES

GRATE AND FRAME: Provide a design essentially the same and equally as strong as the one shown (see construction information table), or meet the requirements of CMS 711.4. Provide grate openings and dimensions as shown here unless otherwise shown in the plans. When a "V" grate is specified provide Neenah No. R-3067-V or EJ No. 7030 Type M4 or approved equals.

Cast the following text into the top of the grate:

"DUMP NO WASTE" and "DRAINS TO WATERWAYS"

Print text in bold, capital letters at least 1/8" high. "WATERWAYS" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary by manufacturer.

BEARING AREAS: Fit and finish the frame and grate to provide a firm and even seat for all portions of the grate in the frame without rocking. Fit, match and mark frame and grate before delivery to the project.

WALLS: Provide precast walls at least 6" thick with sufficient reinforcing to permit shipping and handling without damage. Construct cast-in-place walls with a nominal thickness of 8". Maintain internal basin dimensions.

CONCRETE: Meet the requirements of CMS 706.13 for precast concrete and mark with the catch basin number. Use 4000 psi concrete for cast-in-place basins.

MINIMUM DEPTH: The minimum depth is the outside diameter (O.D.) of the outlet pipe plus 15".

OPENINGS: Ensure pipe openings are the O.D. of the pipe being supplied plus 2" when fabricated or field cut. Fill any voids per CMS 611.

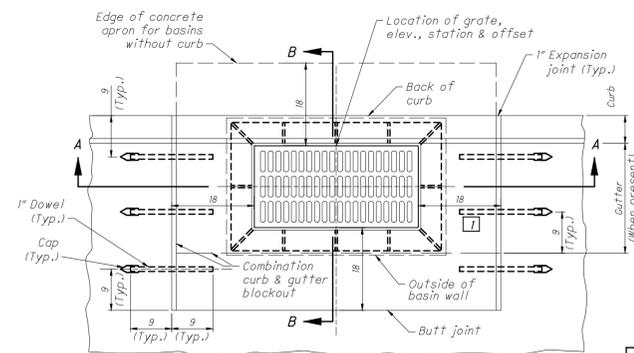
DOWELS: Furnish 1"x18" dowels for concrete pavement and gutters. See SCD BP-2.2 for dowel details.

BLOCKOUT APRONS: Blockout curb and gutter (when present) for catch basin. In PCC pavement provide a 4000 psi compressive strength concrete apron with dowels. The cost is included as part of the pavement or gutter with no deduction in pavement, curb or gutter quantities because of the castings. In asphalt pavement provide a 4000 psi compressive strength concrete apron with dowels into gutter (when present). No dowels are required between the apron and asphalt pavement. The cost is included in the catch basin bid price. Include 1" expansion joints in the curb for all curb types with no deduction made in curb quantities.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under Item 611 - Catch Basin, No. 6.

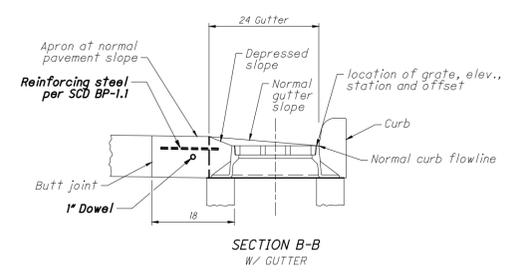
SUMP LINE: 4" or 6" perforated sump line/conduit that inlets into the bottom of the structure for additional drainage.

CONSTRUCTION INFORMATION
Minimum weight of grate, 159 lbs.
Minimum weight of frame, 265 lbs.

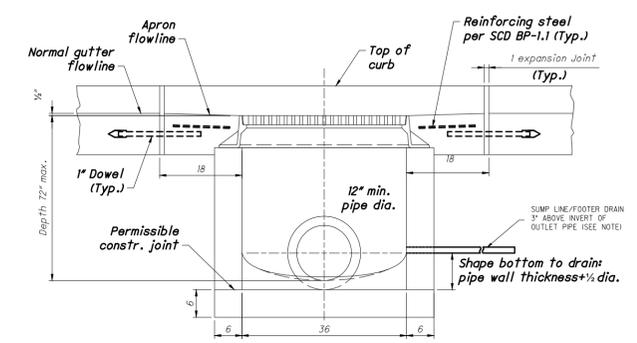


CATCH BASIN AND APRON PLAN

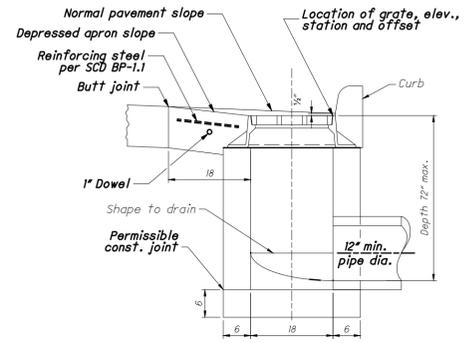
Include dowels where concrete pavement or gutter are present



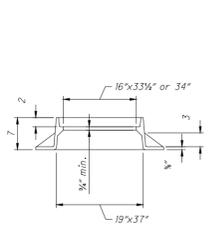
SECTION B-B
W/ GUTTER



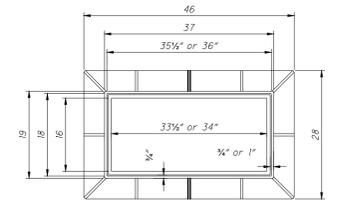
SECTION A-A



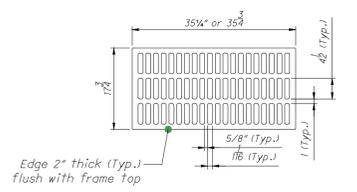
SECTION B-B
W/O GUTTER



FRAME SECTION



FRAME PLAN



GRATE

C.B. 6 DETAIL
NOT TO SCALE

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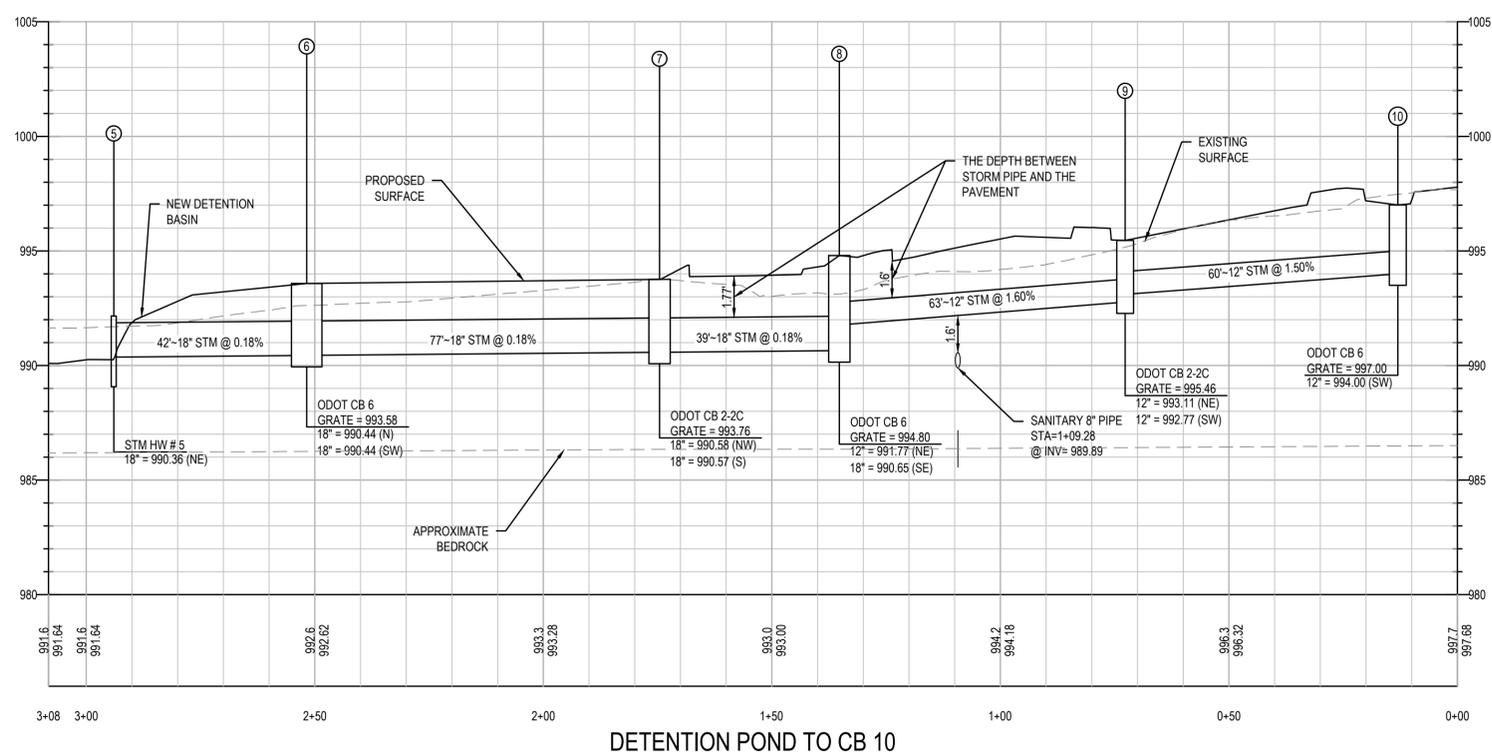
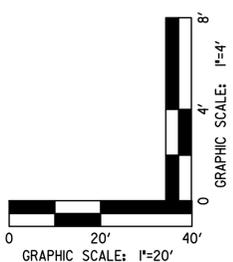
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| DESIGNED | KW | JOB NUMBER | 0123023A |
| DRAWN | DLF | DATE | 03/13/2023 |
| CHECKED | KW | | |

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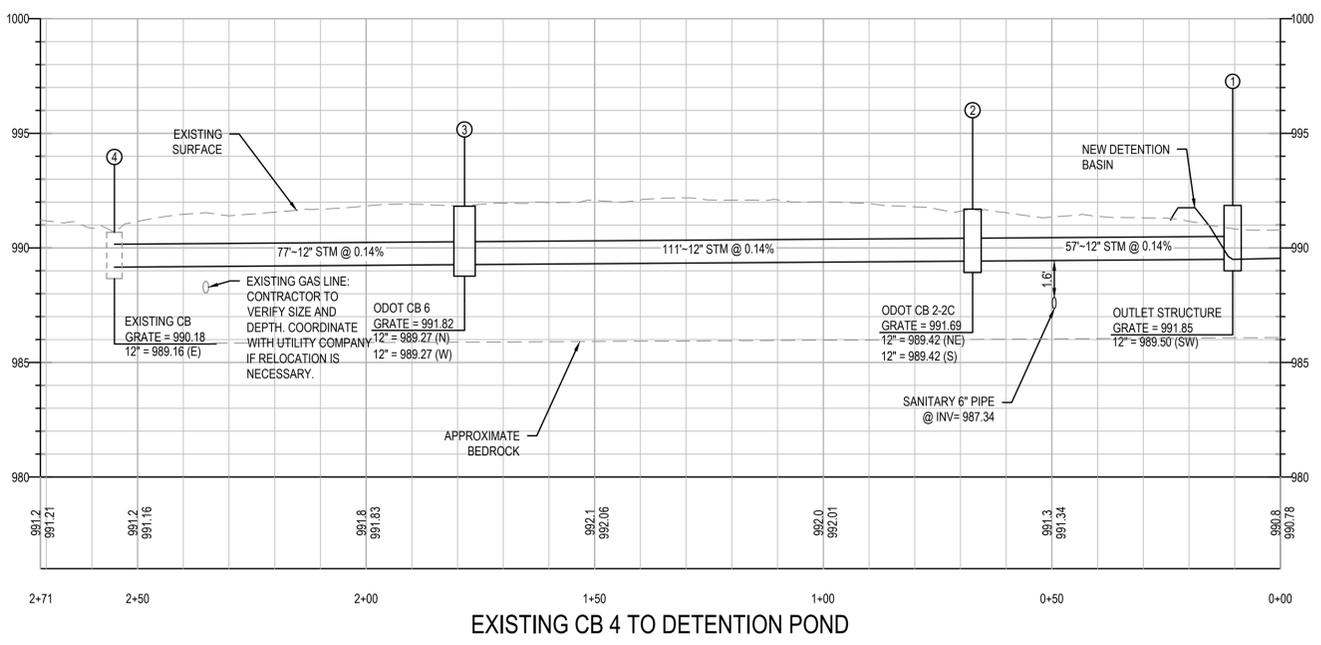
STORM
PROFILES

SHEET NUMBER

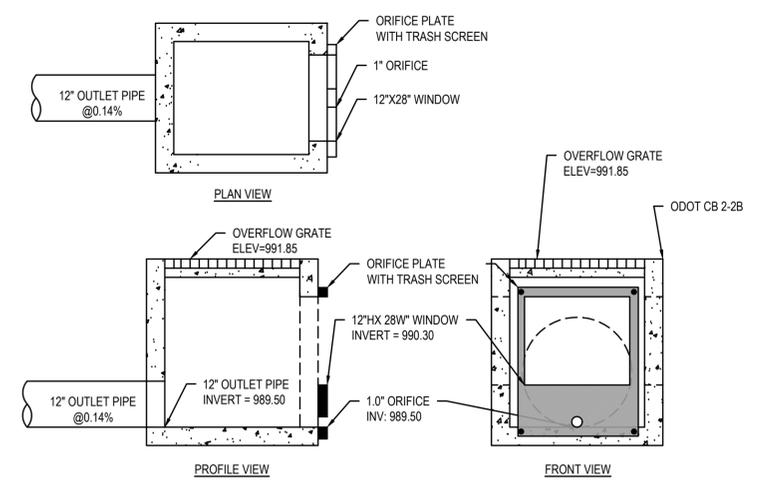
C700



DETENTION POND TO CB 10



EXISTING CB 4 TO DETENTION POND



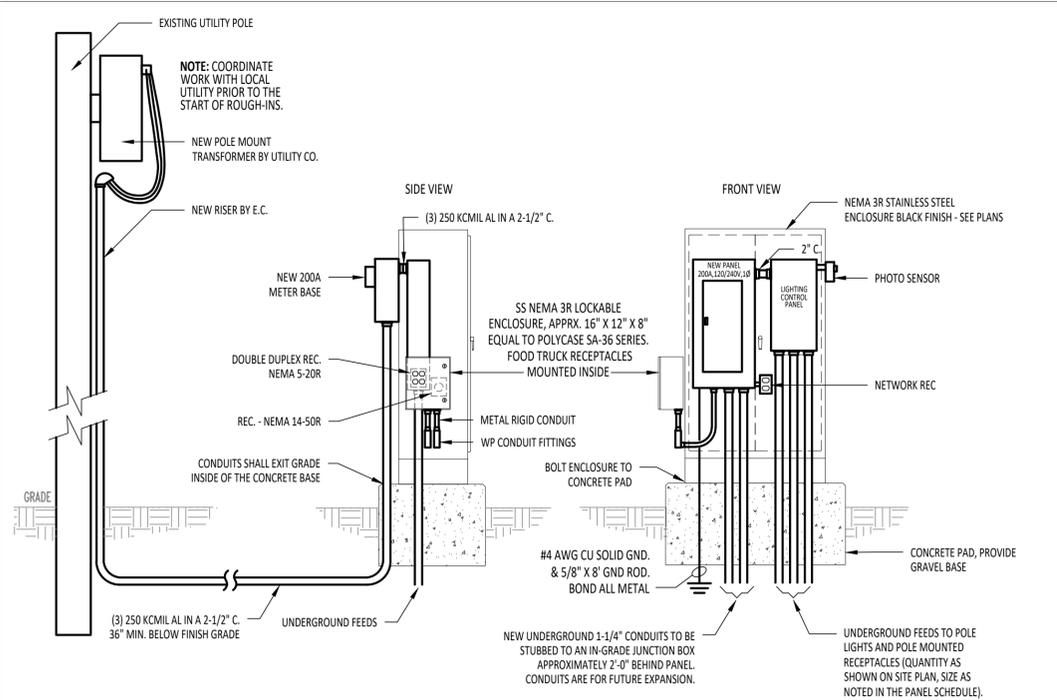
OUTLET STRUCTURE DETAIL
NOT TO SCALE

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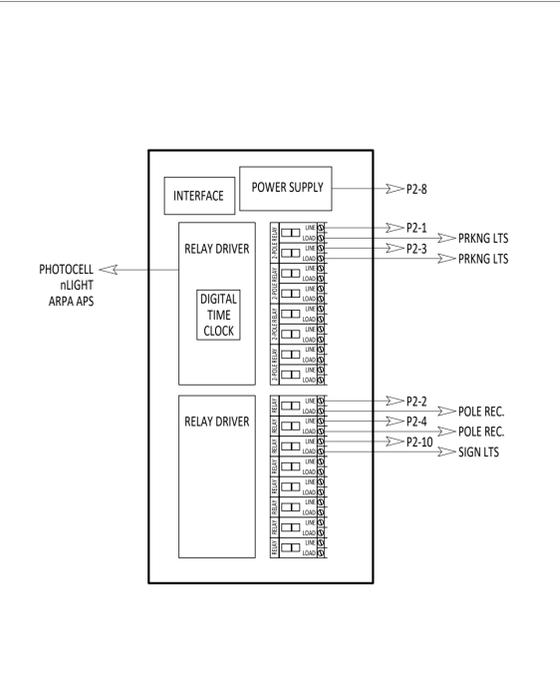
CD SUBMITTAL

| ELECTRICAL SYMBOLS LEGEND | | |
|---------------------------|--|-----------------------|
| SYMBOL | DESCRIPTION | MOUNTING HEIGHT |
| | ELECTRIC PANEL. REFER TO PANEL SCHEDULES AND ONE LINE DIAGRAM | 60" AFF TO TOP |
| | IN-GRADE HAND-HOLE, FLUSH WITH FINAL GRADE. "ELECTRIC" ENGRAVED INTO LID. 12" X 24" MINIMUM. TIER 22 RATING, EQUAL TO HUBBELL QUARTZITE PG TYPE. PROVIDE EXCAVATION AND BACKFILL AS NECESSARY. | FLUSH W/GRADE |
| | DUPLEX GFCI RECEPTACLE - 20A-120V-NEMA 5-20R WITH METAL IN-USE COVERPLATE. | 12" BELOW TOP OF POLE |
| | DOUBLE DUPLEX RECEPTACLE - TWO DEVICES IN TWO GANG BOX - 20A-120V-NEMA 5-20R WITH COVERPLATE. | 44" AFF UNO |
| | SPECIAL PURPOSE RECEPTACLE WITH COVERPLATE - 50A-120/240V-NEMA 14-50R. | 16" AFF UNO |
| | LIGHTING CONTROL PANEL FOR EXTERIOR LIGHTS & POLE MOUNTED RECEPTACLES. ACUITY APR SERIES OREQ. REFER TO THE LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. | 60" AFF TO TOP |
| | PHOTO SENSOR FOR AUTOMATIC LIGHTING CONTROL, COMPATIBLE WITH LIGHTING CONTROL PANEL. | VARIES |
| | EXTERIOR POLE TOP LUMINAIRE. "X" INDICATES TYPE, REFER TO LUMINAIRE SCHEDULE. | |
| | EXTERIOR POLE TOP LUMINAIRE. "X" INDICATES TYPE, REFER TO LUMINAIRE SCHEDULE. | |
| | FLOOD LIGHT. "X" INDICATES TYPE, REFER TO LUMINAIRE SCHEDULE. | |
| | CONDUIT CONCEALED IN CEILING, WALL, OR FLOOR OF NEW CONSTRUCTION. CONCEALED WHEREVER POSSIBLE IN AREAS OF OPEN STRUCTURE OR EXISTING CONSTRUCTION. HOMERUN TO PANEL OR LOCATION NOTED. | |
| | INDICATES CONCEALED CONDUIT UNDERGROUND - 1" MINIMUM. | |
| | INDICATES LOCAL SWITCHING OR CONTROL FUNCTION. | |
| | UTILITY POLE | |
| | ELECTRICAL UTILITY METER. | |
| | INDICATES NOTE - SEE TABULATION ON SAME SHEET. | |
| | CIRCUIT CONTINUATION. REFER TO THE "E" DRAWINGS FOR MORE INFORMATION. | |

REFERENCE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION



1 RISER DIAGRAM
E100 NTS



2 CONTROL PANEL - ACUITY APR SERIES
E100 NTS

ELECTRICAL GENERAL NOTES

- ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX OR DEVICE, UNLESS NOTED OTHERWISE.
- COORDINATE ELECTRICAL SERVICE CONNECTIONS WITH LOCAL UTILITY COMPANY, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL CONDUIT TO BE CONCEALED & ROUTED INSIDE THE CONSTRUCTION LIMITS, COORDINATE WITH THE SITE CONTRACTOR.
- TICK MARKS ON LIGHTING PLAN CIRCUITING INDICATE A CHANGE IN SWITCHING.
- ALL WORK SHALL CONFORM TO 2017 N.E.C. NATIONAL, STATE AND LOCAL CODES WHICH APPLY.
- ALL MATERIAL AND EQUIPMENT SHALL CONFORM TO U.L. AND NEMA STANDARDS WHICH APPLY.
- THIS CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS REQUIRED FOR THE EXECUTION OF THEIR WORK.
- THIS CONTRACTOR SHALL GUARANTEE THEIR ENTIRE ELECTRICAL INSTALLATION AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE (1) YEAR.
- MINIMUM WIRE SIZE SHALL BE 12 AWG UNLESS NOTED OTHERWISE.
- CONDUCTORS SHALL BE TYPE "THHN/THWN" STRANDED COPPER, UNLESS NOTED OTHERWISE. CONDUCTORS 6 AWG. AND LARGER MAY BE COPPER OR ALUMINUM. SEE SPECIFICATIONS.
- EXPOSED EXTERIOR CONDUIT SHALL BE RIGID GALVANIZED STEEL OR INTERMEDIATE GRADE METAL CONDUIT. CONDUIT BURIED BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH APPROPRIATE SIZE GREEN GROUND WIRE, UNLESS NOTED OTHERWISE. CONDUITS BELOW GRADE SHALL BE 18" BELOW FINISH GRADE MINIMUM (INCLUDES AREAS WHERE SHALLOW ROCK BASE IS ENCOUNTERED).
- IT IS STRONGLY RECOMMENDED THAT ALL BIDDERS VISIT AND EXAMINE THE SITE. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS UNDER WHICH WORK MUST BE PERFORMED AND CHECK ALL PRESENT ELEVATIONS. THE CONTRACTOR SHALL REPORT ANY MAJOR DISCREPANCIES TO THE ARCHITECT. FAILURE TO DO SO SHALL BE DEEMED AS ACCEPTANCE OF EXISTING CONDITIONS.

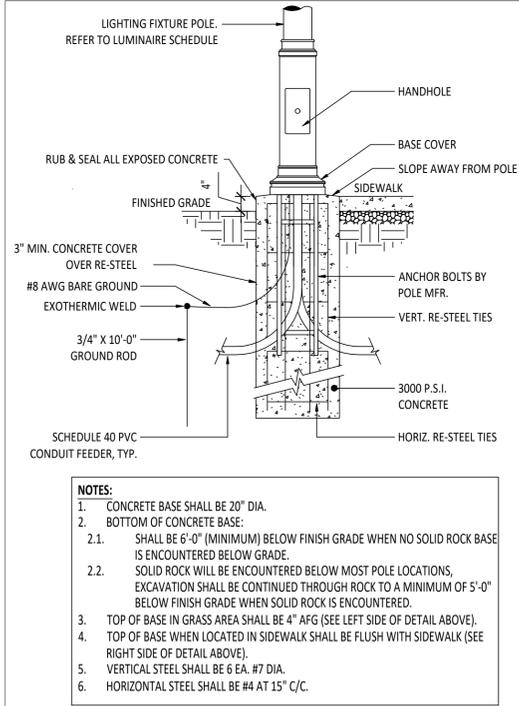
| DRAWING NUMBER | DRAWING TITLE |
|----------------|---|
| E100 | GENERAL NOTES, ABBREVIATIONS, LEGENDS, DETAILS, PANEL SCHEDULE, & SHEET INDEX |
| E200 | ELECTRICAL SITE PLAN & LUMINAIRE SCHEDULE |



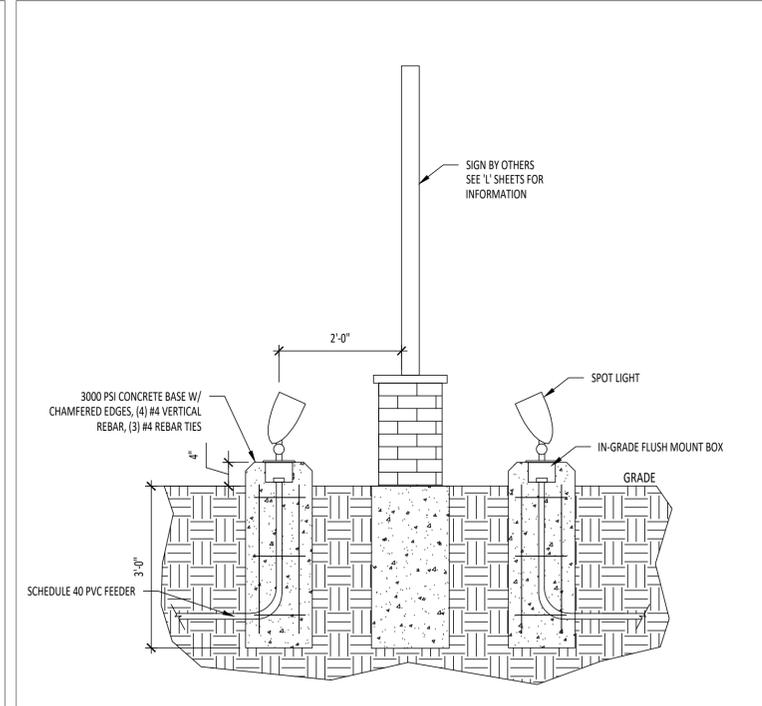
CITY OF CENTERVILLE
100 WEST SPRING VALLEY ROAD
CENTERVILLE, OHIO 45458



98 WEST FRANKLIN
PUBLIC PARKING
98 W FRANKLIN STREET
CENTERVILLE, OHIO 45429
UPTOWN
UNIQUE - VIBRANT - HISTORIC



3 CONCRETE POLE BASE DETAIL
E100 NTS



4 SIGN LIGHT DETAIL DETAIL
E100 NTS

PANEL P2 (NEW)

MOUNTING: SURFACE
FED FROM: UTILITY
ENCLOSURE: TYPE 1
LOCATION: INSIDE NEMA 3R SS ENCLOSURE

AIC RATING: 22,000 A
VOLTAGE: 240/120V 1PH 3W
MAINS RATING: 200 A
MAINS TYPE: MCB
MCB RATING: 200 A

PANEL NOTES:
PROVIDE EXTERNAL SPD.

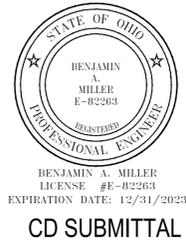
| CIRCUIT DESCRIPTION | AMP | A | | B | | AMP | CIRCUIT DESCRIPTION | | | | |
|-------------------------------------|------|---------|------------|------------|----|-----|---------------------|------|--------------------------|--------------------------|---|
| | | VA | VA | VA | VA | | | | | | |
| 1 PARKING LOT LIGHTS | 20 A | 1 | 460 / 900 | | | 2 | 20 A | 1 | POLE MOUNTED RECEPTACLES | 1 | |
| | | 3 | | 460 / 900 | | | 4 | 20 A | 1 | POLE MOUNTED RECEPTACLES | 2 |
| | | 5 | 4800 / 360 | | | 6 | 20 A | 1 | SERVICE BOARD RECEPTACLE | | |
| 3 SERVICE PANEL RECEPTACLE 120/240V | 50 A | 7 | | 4800 / 400 | | 8 | 20 A | 1 | CONTROL PANEL | | |
| | | 9 | 0 / 20 | | | 10 | 20 A | 1 | SIGN LIGHTS | 1 | |
| SPARE | 20 A | | | 0 / 180 | | 12 | 20 A | 1 | NETWORK RECEPTACLE | | |
| SPARE | 30 A | | | 0 / 0 | | 14 | 20 A | 1 | SPARE | | |
| SPARE | 60 A | | | 0 / 0 | | 16 | 20 A | 1 | SPARE | | |
| SPACE | | | | | | 18 | 20 A | 1 | SPARE | | |
| SPACE | | | | | | 20 | 20 A | 1 | SPARE | | |
| SPACE | | | | | | 22 | | | SPACE | | |
| SPACE | | | | | | 24 | | | SPACE | | |
| SPACE | | | | | | 26 | | | SPACE | | |
| SPACE | | | | | | 28 | | | SPACE | | |
| SPACE | | | | | | 30 | | | SPACE | | |
| SPACE | | | | | | 32 | | | SPACE | | |
| SPACE | | | | | | 34 | | | SPACE | | |
| SPACE | | | | | | 36 | | | SPACE | | |
| SPACE | | | | | | 38 | | | SPACE | | |
| SPACE | | | | | | 40 | | | SPACE | | |
| SPACE | | | | | | 42 | 30 A | 2 | SPD | | |
| VA SUBTOTALS: | | 6540 VA | | 6740 VA | | | | | | | |
| AMP SUBTOTALS: | | 55 A | | 56 A | | | | | | | |

| LOAD TYPE | CONNECTED VA | DEMAND FACTOR | DEMAND VA | DEMAND AMPS | SUBTOTAL | PHASE | CIRCUIT NOTES |
|------------------|--------------|---------------|-----------|-------------|----------|-----------|--------------------------------------|
| | | | | | | | |
| L LIGHTING | 940 VA | 100.00% | 940 VA | 4 A | 6540 VA | A | (1) 2-8 AWG CU, 1-8 AWG CU G. 1" C. |
| R RECEPTACLES | 12160 VA | 91.12% | 11080 VA | 46 A | 6740 VA | B | (2) 2-8 AWG CU, 1-8 AWG CU G. 1" C. |
| C COOLING | 0 VA | 0.00% | 0 VA | 0 A | | | (3) 3-5 AWG CU, 1-10 AWG CU G. 1" C. |
| Q MISC EQUIPMENT | 0 VA | 100.00% | 0 VA | 0 A | 13280 VA | CONNECTED | |
| K KITCHEN | 0 VA | 65.00% | 0 VA | 0 A | 12020 VA | DEMAND | |
| H HVAC EQUIPMENT | 0 VA | 100.00% | 0 VA | 0 A | 55 A | CONNECTED | |
| M LARGEST MOTOR | 0 VA | 125.00% | 0 VA | 0 A | 50 A | DEMAND | |
| P PANEL FEEDER | 0 VA | 100.00% | 0 VA | 0 A | | | |

21010-01 - CENTERVILLE - 98 W FRANKLIN PUBLIC PARKING

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO THOSE LISTED BELOW

| | |
|------------|--|
| A | - ABOVE FINISHED FLOOR |
| AFG | - ABOVE FINISHED GRADE |
| C | - COVERPLATE |
| CP | - COVERPLATE |
| E | - ELECTRICAL CONTRACTOR |
| EC | - EXISTING |
| EX / EXIST | - EXISTING |
| G | - GENERAL CONTRACTOR |
| GC | - PROVIDE DEVICE WITH GFI PROTECTION |
| GFI | - PROVIDE DEVICE WITH GFI PROTECTION |
| H | - HORIZONTAL |
| HORIZ | - HORSEPOWER |
| HP | - HORSEPOWER |
| M | - MECHANICAL (HVAC, PLBG, FP, OR TC) CONTRACTOR |
| MC | - MECHANICAL (HVAC, PLBG, FP, OR TC) CONTRACTOR |
| N | - NONFUSED |
| NF | - NIGHTLIGHT; CIRCUITED AHEAD OF LOCAL SWITCHING |
| NL | - NIGHTLIGHT; CIRCUITED AHEAD OF LOCAL SWITCHING |
| O | - OR EQUAL |
| OREQ | - OR EQUAL |
| S | - SURFACE-MOUNTED |
| SM | - SURFACE-MOUNTED |
| T | - TAMPER-RESISTANT |
| TR | - TAMPER-RESISTANT |
| TYP | - TYPICAL |
| U | - UNLESS NOTED OTHERWISE |
| UNO | - UNLESS NOTED OTHERWISE |
| W | - WIREGUARD |
| WG | - WEATHERPROOF |
| WP | - WEATHERPROOF |

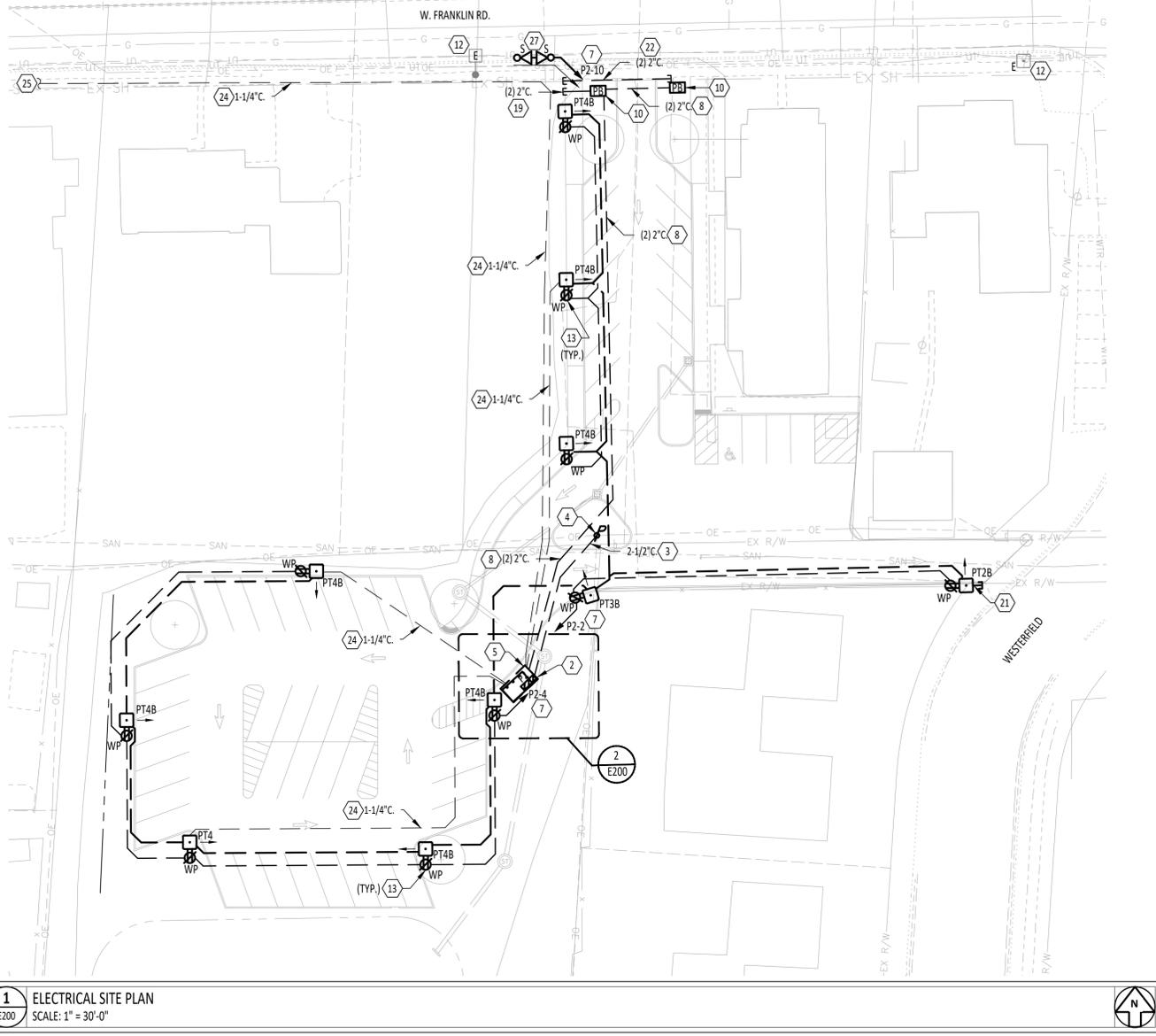


ELECTRICAL GENERAL NOTES, ABBREVIATIONS, LEGENDS, DETAILS, PANEL SCHEDULE, & SHEET INDEX

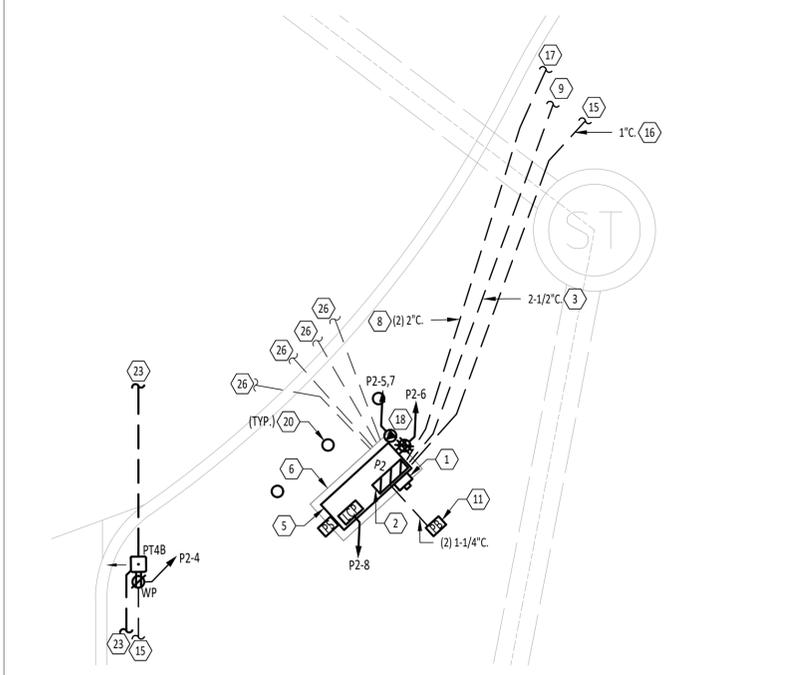
SHEET NUMBER
E100

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DWG NAME: H121010-01_Uptown Streetscape City of Centerville Proj 1 and 6107_DESIGN006_Electrical Design/E200.dwg SAVE DATE: 3/13/2023 7:56 AM SAVED BY: kindelke



2 ELECTRICAL SERVICE BOARD
SCALE: 1/4" = 1'-0"

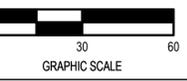


| KEYNOTE SCHEDULE | |
|------------------|--|
| # | KEYNOTE DESCRIPTION |
| 1 | NEW ELECTRIC UTILITY METER, REFERENCE THE RISER DIAGRAM ON SHEET E100 FOR ADDITIONAL INFORMATION. COORDINATE WITH LOCAL UTILITY COMPANY. |
| 2 | NEW CIRCUIT BREAKER PANEL. REFERENCE PANEL SCHEDULE, & THE RISER DIAGRAM ON SHEET E100. |
| 3 | PROVIDE A NEW UNDERGROUND CONDUIT FROM EXISTING UTILITY POLE TO NEW METER BASE. REFERENCE THE RISER DIAGRAM ON SHEET E100 FOR MORE INFORMATION. |
| 4 | EXISTING UTILITY POLE. COORDINATE INSTALLATION OF NEW POLE MOUNT TRANSFORMER WITH LOCAL UTILITY COMPANY. |
| 5 | PROVIDE A 72" TALL, 48" WIDE, 18" DEEP NEMA 3R STAINLESS STEEL ENCLOSURE FOR ELECTRICAL EQUIPMENT. ENCLOSURE SHALL HAVE TWO CONTINUOUSLY HINGED DOORS WITH LOCKABLE HANDLE/LATCH (PADLOCK BY OWNER). ENCLOSURE SHALL BE EQUAL TO HOFFMAN CATALOG # A724818FSFD. PROVIDE PAD MOUNT HARDWARE AND EQUIPMENT MOUNTING HARDWARE AS NECESSARY. |
| 6 | PROVIDE A CONCRETE PAD FOR ELECTRICAL ENCLOSURE. PAD SHALL BE 4" ABOVE FINISH GRADE. 12" DEEP MINIMUM, WITH #4 REBAR 12" ON CENTER IN A HATCH PATTERN. CONCRETE PAD SHALL BE A MINIMUM OF 4" LARGER THAN STAINLESS STEEL ENCLOSURE ON ALL SIDES. CHAMFER EDGES, FINISH EDGES, AND BRUSH TOP OF PAD. LOCATE CONCRETE PAD APPROXIMATELY 2'-0" BACK FROM CURB LINE. GC SHALL PROVIDE METAL/CONCRETE BOLLARDS TO PROTECT EQUIPMENT FROM VEHICULAR TRAFFIC. |
| 7 | CIRCUIT CONTROLLED VIA LIGHTING CONTROL PANEL, REFERENCE DETAILS 1 & 3 ON SHEET E100 FOR ADDITIONAL INFORMATION. REFER TO PANEL SCHEDULE FOR CONDUIT & WIRE INFORMATION, PROVIDE HOME RUN CONDUIT FROM THIS LOCATION TO "LCP". |
| 8 | PROVIDE UNDERGROUND CONDUITS FOR FUTURE STREET LIGHTING. PROVIDE PULLSTRING IN CONDUIT. |
| 9 | UNDERGROUND ELECTRICAL SERVICE CONDUIT CONTINUES TO NEAREST AVAILABLE ELECTRIC UTILITY POLE. COORDINATE WITH LOCAL UTILITY COMPANY PRIOR TO START OF WORK. |
| 10 | PROVIDE IN-GRADE PULL BOX FOR CONDUIT TERMINATION POINT. BOX SHALL BE LOCATED IN RIGHT-OF-WAY GRASS AREA, COORDINATE EXACT LOCATION WITH SITE CONTRACTOR. |
| 11 | PROVIDE IN-GRADE PULL BOX FOR CONDUIT TERMINATION POINT. BOX SHALL BE LOCATED IN GRASS AREA, COORDINATE EXACT LOCATION WITH SITE CONTRACTOR. REFERENCE DETAIL 1 ON SHEET E100 FOR ADDITIONAL INFORMATION. |
| 12 | EXISTING LIGHT TO REMAIN. |
| 13 | POLE MOUNTED RECEPTACLE, REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. |
| 14 | REFER TO DETAIL 1 ON THIS SHEET FOR CIRCUIT CONTINUATION. |
| 15 | REFER TO DETAIL 1 ON THIS SHEET FOR RECEPTACLE CIRCUIT CONTINUATION. |
| 16 | APPROXIMATE TRENCH LOCATION FOR RECEPTACLE AND LIGHTING UNDERGROUND FEEDERS. |
| 17 | REFER TO DETAIL 1 ON THIS SHEET FOR CONTINUATION OF CONDUITS FOR FUTURE STREETLIGHTS. |
| 18 | DEVICES FOR FOOD TRUCKS TO BE MOUNTED INSIDE STAINLESS STEEL, LOCKABLE, NEMA 3R ENCLOSURE. REFERENCE DETAIL 1/E100. |
| 19 | STUB CONDUITS FOR FUTURE STREETLIGHTS FROM IN-GRADE BOX TO BEYOND NEW SIDEWALK AND CAP. RECORD EXACT LOCATION OF CONDUIT ENDS ON RECORD DOCUMENTS. |
| 20 | BOLLARDS BY OTHERS. |
| 21 | STUB A 1" UNDERGROUND CONDUIT FROM POLE AND CAP. IDENTIFY EXACT END LOCATION ON RECORD DOCUMENTS. |
| 22 | PROVIDE TWO (2) 2" UNDERGROUND CONDUITS FOR FUTURE FIBER CABLE. PROVIDE PULL STRING IN EACH CONDUIT AND CAP ENDS. IDENTIFY CONDUIT ENDS ACCURATELY ON AS-BUILT DOCUMENTS. COORDINATE EXACT ROUTING WITH NEW CONSTRUCTION & EXISTING CONDITIONS. |
| 23 | REFER TO DETAIL 1 ON THIS SHEET FOR PARKING LOT LIGHT CIRCUIT CONTINUATION. |
| 24 | FIBER CONDUIT: PROVIDE AN 1-1/4" UNDERGROUND CONDUIT FROM SERVICE ENCLOSURE TO POLE LIGHTS AS INDICATED ON PLAN. CONDUIT TO STUB TO INSIDE OF SERVICE ENCLOSURE, TO PULL BOX (WHEN SHOWN), TO INSIDE OF LIGHT POLE. INSTALL WITH MINIMAL BENDS, LARGE RADIUS BENDS WHEN NECESSARY, AND ROUTED APPROXIMATELY AS SHOWN TO ALLOW EASE OF FIBER INSTALLATION. PROVIDE PULL STRING IN EACH CONDUIT FOR FUTURE USE. |
| 25 | CONTINUE TO TO VIRGINIA OR SPAN FIBER. COORDINATE WITH OWNER. |
| 26 | REFERENCE DETAIL ON ON THIS SHEET FOR CONTINUATION AND ADDITIONAL INFORMATION FOR 1-1/4" FIBER CONDUITS. |
| 27 | SIGN LIGHTING: REFERENCE DETAIL 4 ON SHEET E100 AND LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. |

1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

LUMINAIRE SCHEDULE

| MARK | LAMPS | | | | DRIVER | VOLTS | INPUT WATTS | FITTURE | | MANUFACTURER & CATALOG NUMBER |
|------|----------|--------|-------|-----|---------------------------|-------|-------------|---|---|---|
| | CATEGORY | LUMEN | CCT | CRI | | | | DESCRIPTION | NOTES | |
| E | | | | | | | | EXISTING LIGHT TO REMAIN. | | |
| PT2B | LED | 11,000 | 4,000 | 80 | 0-10V DIMMING 100%-10% | 240V | 92W | DECORATIVE POST TOP LIGHT MOUNTED TO A 15' DECORATIVE POLE WITH BLACK FINISH. LUMINAIRE: ROUND DIE CAST ALUMINUM WITH POWDER COAT FINISH, TEMPERED CLEAR GLASS, FULLY GASKETED. TYPE II DISTRIBUTION WITH BACKLIGHT SHIELD, ELECTRONIC DIMMING DRIVER, LONG LASTING LEDS, U.L. WET LISTED. POLE: 4" DIA. ROUND ALUMINUM POLE WITH MUFFLER TYPE BASE, POWDER COAT FINISH, GROUND FAULT DUPLEX RECEPTACLE 12" BELOW TOP OF POLE, IN-USE COVER. | REFERENCE DETAIL 3 ON SHEET E100 FOR CONCRETE BASE. REFER TO PLANS FOR DIRECTIONAL ARROW/AIM. | LUMENPULSE PUR 500T 240 CSL M110 40K CRI 80 2BLS BK TN4 PL-M 4 AL R 15 H Q6 BK QJ6 DRG IU AB LUMEC MPTR SERIES AMB SERIES |
| PT3B | LED | 11,000 | 4,000 | 80 | 0-10V DIMMING 100%-10% | 240V | 92W | DECORATIVE POST TOP LIGHT MOUNTED TO A 15' DECORATIVE POLE WITH BLACK FINISH. LUMINAIRE: ROUND DIE CAST ALUMINUM WITH POWDER COAT FINISH, TEMPERED CLEAR GLASS, FULLY GASKETED. TYPE III DISTRIBUTION WITH BACKLIGHT SHIELD, ELECTRONIC DIMMING DRIVER, LONG LASTING LEDS, U.L. WET LISTED. POLE: 4" DIA. ROUND ALUMINUM POLE WITH MUFFLER TYPE BASE, POWDER COAT FINISH, GROUND FAULT DUPLEX RECEPTACLE 12" BELOW TOP OF POLE, IN-USE COVER. | REFERENCE DETAIL 3 ON SHEET E100 FOR CONCRETE BASE. REFER TO PLANS FOR DIRECTIONAL ARROW/AIM. | LUMENPULSE PUR 500T 240 CSL M110 40K CRI 80 3BLS BK TN4 PL-M 4 AL R 15 H Q6 BK QJ6 DRG IU AB LUMEC MPTR SERIES AMB SERIES |
| PT4 | LED | 11,000 | 4,000 | 80 | 0-10V DIMMING 100%-10% | 240V | 92W | DECORATIVE POST TOP LIGHT MOUNTED TO A 15' DECORATIVE POLE WITH BLACK FINISH. LUMINAIRE: ROUND DIE CAST ALUMINUM WITH POWDER COAT FINISH, TEMPERED CLEAR GLASS, FULLY GASKETED. TYPE IV DISTRIBUTION, ELECTRONIC DIMMING DRIVER, LONG LASTING LEDS, U.L. WET LISTED. POLE: 4" DIA. ROUND ALUMINUM POLE WITH MUFFLER TYPE BASE, POWDER COAT FINISH, GROUND FAULT DUPLEX RECEPTACLE 12" BELOW TOP OF POLE, IN-USE COVER. | REFERENCE DETAIL 3 ON SHEET E100 FOR CONCRETE BASE. REFER TO PLANS FOR DIRECTIONAL ARROW/AIM. | LUMENPULSE PUR 500T 240 CSL M110 40K CRI 80 4 BK TN4 PL-M 4 AL R 15 H Q6 BK QJ6 DRG IU AB LUMEC MPTR SERIES AMB SERIES |
| PT4B | LED | 11,000 | 4,000 | 80 | 0-10V DIMMING 100%-10% | 240V | 92W | DECORATIVE POST TOP LIGHT MOUNTED TO A 15' DECORATIVE POLE WITH BLACK FINISH. LUMINAIRE: ROUND DIE CAST ALUMINUM WITH POWDER COAT FINISH, TEMPERED CLEAR GLASS, FULLY GASKETED. TYPE IV DISTRIBUTION WITH BACKLIGHT SHIELD, ELECTRONIC DIMMING DRIVER, LONG LASTING LEDS, U.L. WET LISTED. POLE: 4" DIA. ROUND ALUMINUM POLE WITH MUFFLER TYPE BASE, POWDER COAT FINISH, GROUND FAULT DUPLEX RECEPTACLE 12" BELOW TOP OF POLE, IN-USE COVER. | REFERENCE DETAIL 3 ON SHEET E100 FOR CONCRETE BASE. REFER TO PLANS FOR DIRECTIONAL ARROW/AIM. | LUMENPULSE PUR 500T 240 CSL M110 40K CRI 80 4BLS BK TN4 PL-M 4 AL R 15 H Q6 BK QJ6 DRG IU AB LUMEC MPTR SERIES AMB SERIES |
| S | LED | 1,102 | 4,000 | 80 | ELECTRONIC | 120V | 10W | ACCENT LINE-VOLTAGE LUMINAIRE. DIE-CAST ALUMINUM HOUSING WITH ADJUSTABLE KNUCKLE STEM, POWDER COAT BLACK FINISH, FLAT TEMPERED GLAS LENS, 20-DEGREE OPTICS, MOLDED SILICONE GASKETS, INTEGRAL DRIVER WITH LED MODULE, WET LOCATION LISTED. | FITTURE TO BE HIDDEN WITHIN LANDSCAPING. REFER TO DETAIL 4 ON SHEET E100. ADJUST FITTURE TO BEST ILLUMINATE SIGN WITH MINIMAL GLARE BEYOND. | HADCO B9DCA ACUITY BRANDS |



CITY OF CENTERVILLE

100 WEST SPRING VALLEY ROAD
CENTERVILLE, OHIO 45458



98 WEST FRANKLIN
PUBLIC PARKING

98 W FRANKLIN STREET
CENTERVILLE, OHIO 45429



| REV | DATE | RELEASED FOR |
|-----|------|--------------|
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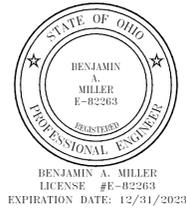
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| DESIGNED | KCR | JOB NUMBER | 0120159B |
| DRAWN | KCR | DATE | 03/13/2023 |
| CHECKED | BAM | | |

SHEET TITLE

ELECTRICAL SITE PLAN &
LUMINAIRE SCHEDULE

SHEET NUMBER

E200



CD SUBMITTAL

GENERAL NOTES

A. BASE INFORMATION

1. THE BASE MAPPING / SURVEY WAS PREPARED BY LJB. FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WITH WORK.
2. THE PLANS ASSUME THE LAYOUT AND STAKING WILL BE ACCOMPLISHED USING TOTAL STATIONING/ DIGITAL METHODS. ANY INFORMATION PROVIDED IS INTENDED TO SUPPORT INFORMATION ALREADY CONTAINED IN CAD FILES USED FOR DOCUMENTING LAYOUT AND STAKING. CAD FILES DELINEATING ALL GRADING AND HARDCAPE ELEMENTS SHOWN IN THESE PLANS CAN BE PROVIDED TO THE CONTRACTOR UPON REQUEST.
3. NORTHING AND EASTING POINTS, WHERE SHOWN ARE BASED ON STATE PLANE COORDINATE SYSTEM AS REFERENCED FROM THE SITE SURVEY.
4. THE LIMIT OF CONSTRUCTION WORK LINE SHOWN DEFINES THE LIMITS OF WORK IN THIS CONTRACT. EROSION PROTECTION DEVICES AND UTILITY SYSTEMS MAY EXTEND BEYOND THE PROJECT LIMITS LINE IN ORDER TO SUCCESSFULLY COMPLETE OPERATIONS AND / OR TIE INTO ADJACENT SYSTEMS.
5. LIMITS OF CONSTRUCTION AND CONTRACTOR STAGING AREAS SHALL BE LIMITED TO AREAS DESIGNATED BY THE CONTRACT DOCUMENTS.

B. GENERAL REQUIREMENTS

1. UNLESS OTHERWISE NOTED FOR THE PROJECT'S SITE DEVELOPMENT AND SPECIFICATIONS DOCUMENTS, THE CIVIL ENGINEER, AKA LJB, SHALL BE THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH PROJECT DRAWINGS AND SPECIFICATIONS FOR ALL DIVISIONS OF WORK.
3. VERIFY EXISTING CONDITIONS AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS. NO WORK SHALL BE PERFORMED WHERE SUCH DISCREPANCIES EXIST. COMMENCEMENT OF CONSTRUCTION INDICATES THE CONTRACTOR ACCEPTS THE ACTUAL SITE CONDITIONS AS MATCHING THE EXISTING CONDITIONS DEPICTED ON THE PROJECT DOCUMENTS AND ASSUMES FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS TO WORK CONSTRUCTED UNDER HIS CONTRACT.
4. PRIOR TO COMMENCING WORK, REPORT AND DOCUMENT ANY DAMAGE OF EXISTING SITE STRUCTURES AND AMENITIES "TO REMAIN" TO THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT DAMAGE AT NO COST TO THE OWNER OR LANDSCAPE ARCHITECT.
5. COORDINATE WORK RELATED TO OTHER TRADES AND THE GENERAL CONSTRUCTION OF THE PROJECT. ALL MEANS, METHODS, SEQUENCING AND PROCEDURES OF THE WORK ARE THE RESPONSIBILITY OF THE CONTRACTOR.
6. VERIFY THE CONDITION AND COMPLETENESS OF ALL WORK PERFORMED BY OTHERS RELATED TO THEIR WORK RESPONSIBILITIES INCLUDING THE VERIFICATION OF EXISTING ELEVATIONS OR STRUCTURES PRIOR TO INITIATING CONSTRUCTION. IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF ANY SITE CONDITIONS ARE INCOMPLETE, MISSING OR DAMAGED.
7. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS IN ADVANCE OF ANY PLANNED UTILITY INTERRUPTION.

C. PROTECTION

1. CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, HUBS, STAKES AND OTHER SURVEY REFERENCE MONUMENTS OR MARKERS. IF ANY PINS OR MONUMENTS ARE DISTURBED, DAMAGED, OR DESTROYED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED PROFESSIONAL SURVEYOR AT THE COMPLETION OF THE PROJECT AND AT THE CONTRACTOR'S EXPENSE.
2. KNOWN EXISTING UTILITY LINES ARE NOTED ON THE DRAWINGS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROTECTING THEM DURING EXCAVATION. ANY DAMAGE TO UTILITIES AND ANY OTHER PROPERTY TO REMAIN SHALL BE REPAIRED IN KIND. IF CONTRACTOR ENCOUNTERS ANY UNFORESEEN UTILITY, NOTIFY THE OWNER'S REPRESENTATIVE FOR FURTHER DIRECTION PRIOR TO PROCEEDING WITH THE WORK.
3. CONTACT OUPS - OHIO UTILITY PROTECTION SERVICE A MINIMUM OF 48 HOURS IN ADVANCE OF WORK TO BE PERFORMED WITHIN THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR COORDINATING ANY RELOCATIONS OR ADJUSTMENT/REPLACEMENT OF AFFECTED UTILITIES AND APPURTENANCES.
4. OBTAIN PERMITS AND TEMPORARY EASEMENTS FOR THE WORK AS REQUIRED AND COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE LOCAL JURISDICTION, THE STATE, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
5. INSTALL TEMPORARY FENCING AND MAINTAIN THE SOIL AND CRITICAL ROOT PROTECTION-ZONES AS INDICATED ON DRAWINGS. LANDSCAPE ARCHITECT TO APPROVE INSTALLATION OF FENCING BEFORE EQUIPMENT OR MATERIALS ARE BROUGHT ONTO THE SITE AND CONSTRUCTION OPERATIONS BEGIN

D. PUBLIC SAFETY

1. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE CITY AND AUTHORITIES HAVING JURISDICTION. FOLLOW MAINTENANCE OF TRAFFIC PLANS.
2. PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND CITY PRACTICES. EGRESS AND INGRESS TO ALL BUILDINGS MUST BE MAINTAINED AT ALL TIMES.
3. PROVIDE FOR SAFE VEHICULAR AND PEDESTRIAN PASSAGE THROUGH THE CONSTRUCTION SITE AT ALL TIMES BY THE USE OF TRAFFIC CONTROL DEVICES, BARRICADES, SIGNAGE, PLATING, TEMPORARY ACCESS WALKS AND DRIVES, FLAGMEN OR OTHER RECOGNIZED PROTECTIVE METHODS.
4. CONTACT THE TRAFFIC DIVISION 72 HOURS IN ADVANCE OF ANY PROPOSED ROAD CLOSURES IN ORDER THAT THE PUBLIC AND SAFETY OFFICIALS CAN BE NOTIFIED. THE TRAFFIC DIVISION SHALL BE NOTIFIED OF ANY PROPOSED LANE CLOSURES NOTING THE ANTICIPATED DURATION OF SUCH CLOSURE AND THE TRAFFIC CONTROL MEASURES TO BE USED.

E. EROSION CONTROL

1. PROVIDE TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL ITEMS AS REQUIRED BY GOVERNING AGENCY, AS REQUIRED BY PERMIT, AS INDICATED ON THE PLANS, AND AS NOTED IN THE SPECIFICATIONS. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS PRIOR TO CLEARING AND COMMENCING EARTHWORK.
2. MAINTAIN, KEEP CLEAN AND FULLY OPERATIONAL SITE DRAINAGE FACILITIES AND EXISTING EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE ADJACENT WATER BODIES, SURFACES AND STORM SEWERS ACCORDING TO ALL APPLICABLE FEDERAL, STATE LAWS AND REGULATIONS.
3. STORMWATER BMP'S SHALL BE INSPECTED ONCE EVERY SEVEN DAYS, AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER RAINFALL, OR BY WHAT IS REQUIRED BY PERMIT, WHICHEVER IS GREATER. CLEAN SEDIMENT BASINS AND CATCH BASINS AS REQUIRED TO MAINTAIN EFFECTIVENESS OR AS DIRECTED.

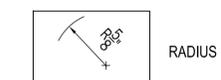
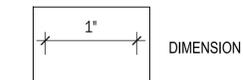
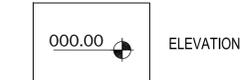
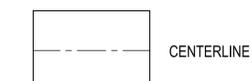
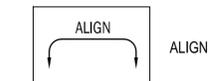
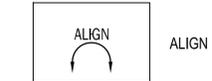
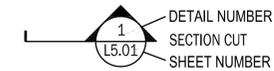
F. SITE CLEANING

1. PROVIDE APPROPRIATE CONTROL MEASURES DURING CONSTRUCTION TO PREVENT AIRBORNE DUST TO ADJACENT CITY PROPERTIES AND WALKWAYS.
2. MAINTAIN THE CONSTRUCTION SITE AT ALL TIMES IN A PRESENTABLE CONDITION ACCEPTABLE TO THE OWNER UNTIL THE COMPLETION AND ACCEPTANCE OF THE PROJECT. MAINTAIN ADJOINING STREETS, SIDEWALKS AND DRIVES FREE OF SOIL, MUD AND EXCESS CONSTRUCTION MATERIALS. BROOM SWEEP OR WASH AS NEEDED OR DIRECTED.
3. REPAIR OR REPLACE DAMAGED UTILITIES, PAVEMENTS, STRUCTURES, LANDSCAPING, STREET SIGNS AND MONUMENTS WITHIN THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR, SUB CONTRACTOR, SUPPLIES OR WORKERS. SUCH REPAIR OR REPLACEMENT SHALL BE "IN-KIND" AS DIRECTED. PROTECT ALL WORK AND PROPERTY WITHIN THE CONSTRUCTION SITE.
4. REMOVE AND DISPOSE OF LEGALLY ALL RUBBISH AND CONSTRUCTION DEBRIS IMMEDIATELY, UNLESS OTHERWISE INDICATED ON DRAWINGS.

ABBREVIATIONS

| | | | |
|-------|---------------------------------|-------|-------------------------|
| AB | ANCHOR BOLT | INV | INVERT |
| ADA | AMERICANS WITH DISABILITIES ACT | JB | JUNCTION BOX |
| ADD | ADDENDUM | LP | LOW POINT |
| ADJ | ADJACENT | LT | LIGHT FIXTURE |
| AGG | AGGREGATE | MANF | MANUFACTURER |
| AL | ALIGN | MAX | MAXIMUM |
| ALT | ALTERNATE | MECH | MECHANICAL |
| ALUM | ALUMINUM | MED | MEDIUM |
| APPR | APPROXIMATE | MH | MANHOLE |
| ARCH | ARCHITECT | MIN | MINIMUM |
| AUTO | AUTOMATIC | MISC | MISCELLANEOUS |
| AWC | ALIGN WITH CENTER | MS | MULTI-STEM |
| B&B | BALLED AND BURLAPPED | NIC | NOT IN CONTRACT |
| BC | BACK OF CURB | NOM | NOMINAL |
| BEL | BELOW | NTS | NOT TO SCALE |
| BET | BETWEEN | OA | OVERALL |
| BIT | BITUMINOUS | OC | ON CENTER |
| BLDG | BUILDING | OD | OUTSIDE DIAMETER |
| BOT | BOTTOM | PCC | PRECAST CONCRETE |
| BRK | BRICK | PERF | PERFORATED |
| BS | BOTH SIDES | PERP | PERPENDICULAR |
| BTC | BOTTOM OF CURB | PIP | POURED IN PLACE |
| BTF | BOTTOM OF FOOTING | PLT | PLANTING AREA |
| BTS | BOTTOM OF STEPS | PLUM | PLUMBING |
| BTW | BOTTOM OF WALL | POB | POINT OF BEGINNING |
| BW | BACK OF WALL | PP | PEAT POTS |
| BYND | BEYOND | PPP | PLANTS PER POT |
| CAL | CALIPER | PROP | PROPOSED |
| CB | CATCH BASIN | PRTR | PRESERVATIVE PRETREATED |
| CIP | CAST IN PLACE | PT | POINT |
| CJ | CONTROL JOINT | PTP | PRESSURE TREATED PINE |
| CL | CENTER LINE | PW | POTABLE WATER |
| CMU | CONCRETE MASONRY UNIT | PVMT | PAVEMENT |
| CO | CLEANOUT | QC | QUICK COUPLER |
| COL | COLUMN | QTY | QUANTITY |
| CONC | CONCRETE | R | RADIUS |
| CONT | CONTINUOUS | RD | ROUND |
| CT | CLEAR TRUNK | REINF | REINFORCED |
| CTR | CENTER | REIN | REMOVE |
| DBH | DIAMETER AT BREAST HEIGHT | REQD | REQUIRED |
| DEM | DEMOLISH | REV | REVISION |
| DIA | DIAMETER | RIM | RIM ELEVATION |
| DIM | DIMENSION | SCH | SCHEDULE |
| DTL | DETAIL | SEC | SECTION |
| DWG | DRAWING | SHT | SHEET |
| EA | EACH | SIM | SIMILAR |
| EJ | EXPANSION JOINT | SNT | SEALANT |
| EL | ELEVATION | SPEC | SPECIFICATION |
| ELEC | ELECTRICAL | SPR | SPREAD |
| ENC | ENCLOSURE | SS | STAINLESS STEEL |
| ENG | ENGINEER | ST | SINGLE TRUNK |
| EOP | EDGE OF PAVEMENT | STD | STANDARD |
| EQ | EQUAL | STRUC | STRUCTURAL |
| EQUIP | EQUIPMENT | SQ | SQUARE |
| EW | EACH WAY | TBD | TO BE DETERMINED |
| EXT | EXISTING | TC | TOP OF CURB |
| FB | FACE OF BUILDING | TCB | TOP OF COLUMN BASE |
| FC | FACE OF CURB | TCM | TOP OF COLUMN |
| FFE | FINISH FLOOR ELEVATION | TEMP | TEMPERATURE |
| FG | FINISH GRADE | TF | TOP OF FOOTING |
| FIN | FINISH | TS | TOP OF STAIRS |
| FW | FACE OF WALL | TW | TOP OF WALL |
| FT | FOOT, FEET | TYP | TYPICAL |
| FTG | FULL TO GROUND | UC | UNDER CUT |
| GA | GAUGE | UNO | UNLESS NOTED OTHERWISE |
| GAL | GALLON | VERT | VERTICAL |
| GALV | GALVANIZED | VIF | VERIFY IN FIELD |
| GRT | GRATE ELEVATION | W/ | WITH |
| HB | HOSE BIB | W/O | WITHOUT |
| HC | HANDICAPPED | WLA | WATER LEVEL AVERAGE |
| HORZ | HORIZONTAL | WLS | WATER LEVEL STATIONARY |
| HP | HIGH POINT | WM | WIRE MESH |
| HT | HEIGHT | WP | WATERPROOFING |
| ID | INSIDE DIAMETER | WR | WASTE RECEPTACLE |
| IDR | INLET DRAIN | WWF | WELDED WIRE FABRIC |
| IN | INCH, INCHES | | |
| INC | INCLUDED | | |

GENERAL ALL SHEETS



| DRAWING INDEX | |
|---------------|-------------------------------|
| Sheet Number | Sheet Title |
| L001 | GENERAL NOTES & DRAWING INDEX |
| L002 | SCHEDULES |
| L200 | PLANTING PLAN |
| L300 | DETAILS |



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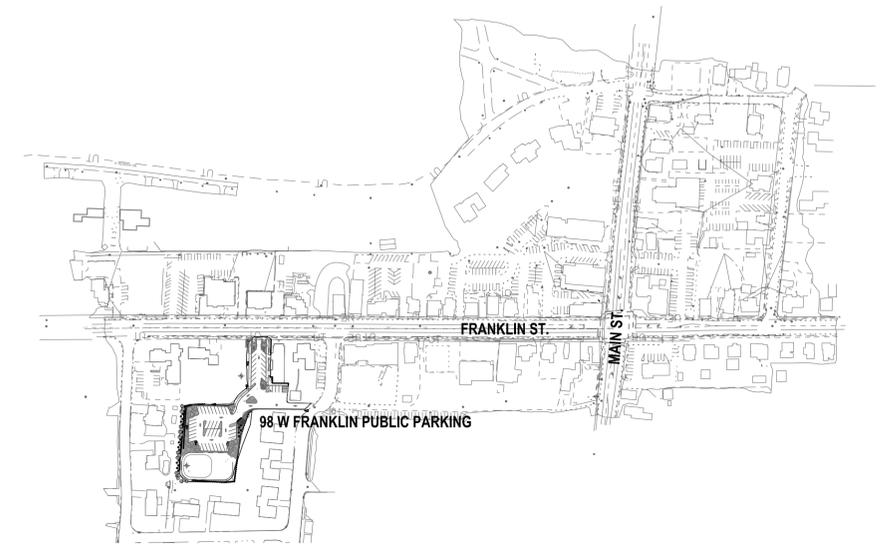


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**GENERAL NOTES &
DRAWING INDEX**

SHEET NUMBER
L001



KEY PLAN
N.T.S.



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PLANTING NOTES

1. SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. SUBSTITUTIONS FOR PLANT MATERIALS WILL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
2. PROVIDE PLANT SAMPLES OR PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT FOR COMPLIANCE REVIEW PRIOR TO INSTALLATION.
3. PROTECT PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES AND THE DESICCATION OF LEAVES. PROTECT PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE TREES WITH NYLON STRAPS. NO CHAINS OR CABLES WILL BE ALLOWED. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.
4. PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.
5. VERIFY PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
6. STAKE TREE LOCATIONS FOR THE LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.
7. REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS. STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.
8. ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".
9. PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.
10. TEST FILL EACH TREE AND PLANTING PIT WITH WATER, PRIOR TO PLANTING TO ASSURE PROPER SOIL PERCOLATION. PITS WHICH DO NOT ADEQUATELY DRAIN SHALL BE FURTHER SCARIFIED ALONG OUTER EDGES AND SIDES OF PIT. DO NOT DISTURB AREA SUPPORTING TREE BALL. REPEAT TEST. ALLOWANCES WILL NOT BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE.
11. PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS OF THE AREA TO ASSURE COMPLETE SURVIVABILITY OF PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT.
12. REMOVE PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
13. PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION AND MAINTAINED WEED FREE THROUGH FINAL ACCEPTANCE.

IRRIGATION NOTES

1. ALL PLANTING BEDS AND LAWN AREAS TO RECEIVE IRRIGATION.
2. CONTRACTOR IS REQUIRED TO PROVIDE A SYSTEM DESIGNED BY A CERTIFIED IRRIGATION PROFESSIONAL WITH AT LEAST FIVE YEARS EXPERIENCE IN DESIGNING UNDERGROUND AUTOMATIC CONTROL IRRIGATION SYSTEMS.
3. DESIGN AND INSTALL IN ACCORDANCE WITH THE GOVERNING MUNICIPALITY CODES AND REQUIREMENTS.
4. INSTALL IRRIGATION SYSTEM AFTER COMPLETION OF SITE ROUGH GRADING. THE IRRIGATION SYSTEM SHALL BE INSTALLED AND COMPLETELY OPERATIONAL PRIOR TO THE INSTALLATION OF ANY PLANTING OR SOD/SEEDING OPERATIONS.

PLANTING LEGEND

| KEY | SCIENTIFIC NAME | COMMON NAME |
|---------------|--|------------------------------------|
| TREES | | |
| JU CO | JUNIPERUS VIRGINIANA 'CORCORC' | EMERALD SENTINEL EASTERN RED CEDAR |
| PI ST | PINUS STROBUS 'FASTIGIATA' | COLUMNAR EASTERN WHITE PINE |
| GT | GLEDITSIA TRIACANTHOS VAR. 'INERMIS' 'SKYLINE' | SKYLINE HONEYLOCUST |
| QR | QUERCUS RUBRA | NORTHERN RED OAK |
| NS | NYSSA SYLVATICA 'NORTHERN SPLENOR' | NORTHERN SPLENOR BLACK GUM |
| SHRUBS | | |
| HQ | HYDRANGEA QUERCIFOLIA 'SIKES DWARF' | OAKLEAF HYDRANGEA |
| JV | JUNIPERUS VIRGINIANA 'GREY OWL' | GREY OWL JUNIPER |
| RA | RHUS AROMATICA 'GRO-LO' | GROW LOW SUMAC |
| LAWN | | |
| | | LAWN - SEED |

SITE FURNISHINGS LEGEND

- F1 PRIMARY DIRECTIONAL SIGNAGE, SEE DETAIL 5/L.300

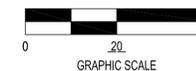


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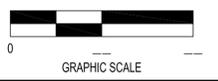
PLANTING PLAN

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L200



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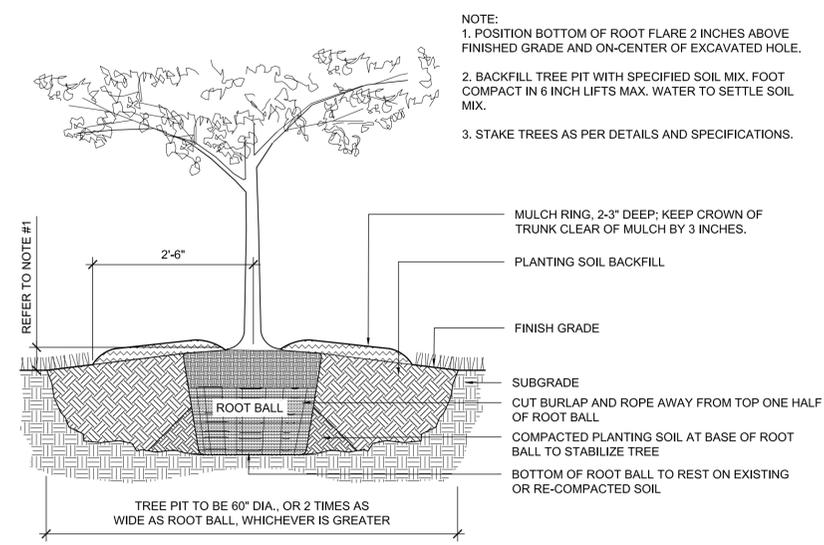
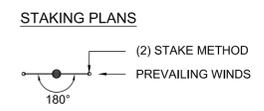
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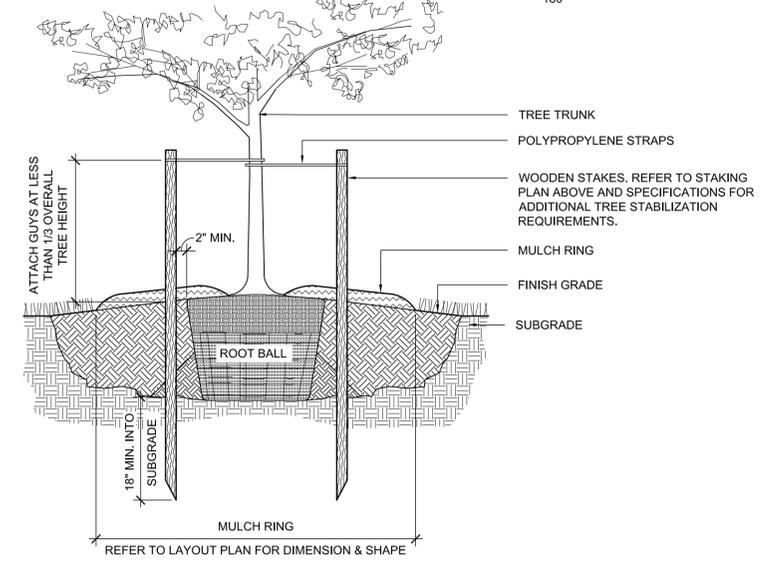
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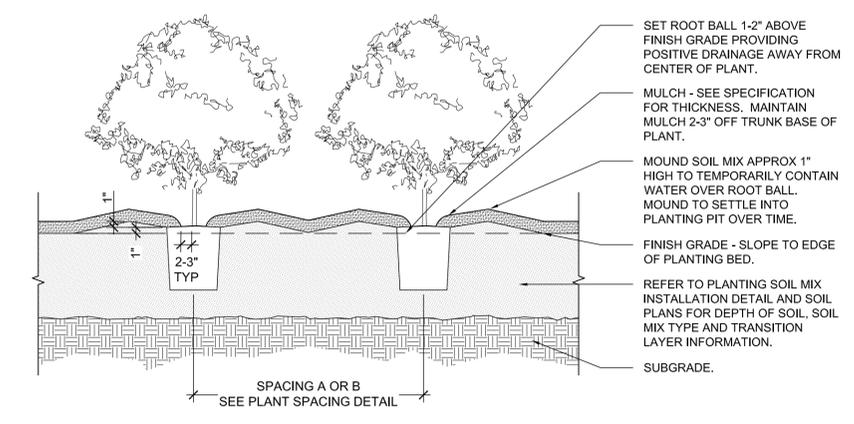
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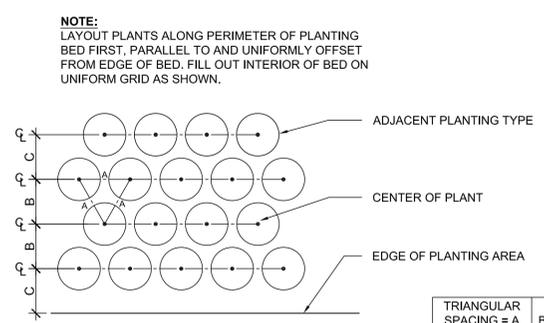
1 TREE PLANTING DETAIL
 SCALE: 3/4" = 1'-0"



2 TREE STABILIZATION DETAIL - UPRIGHT STAKING
 SCALE: 3/4" = 1'-0"



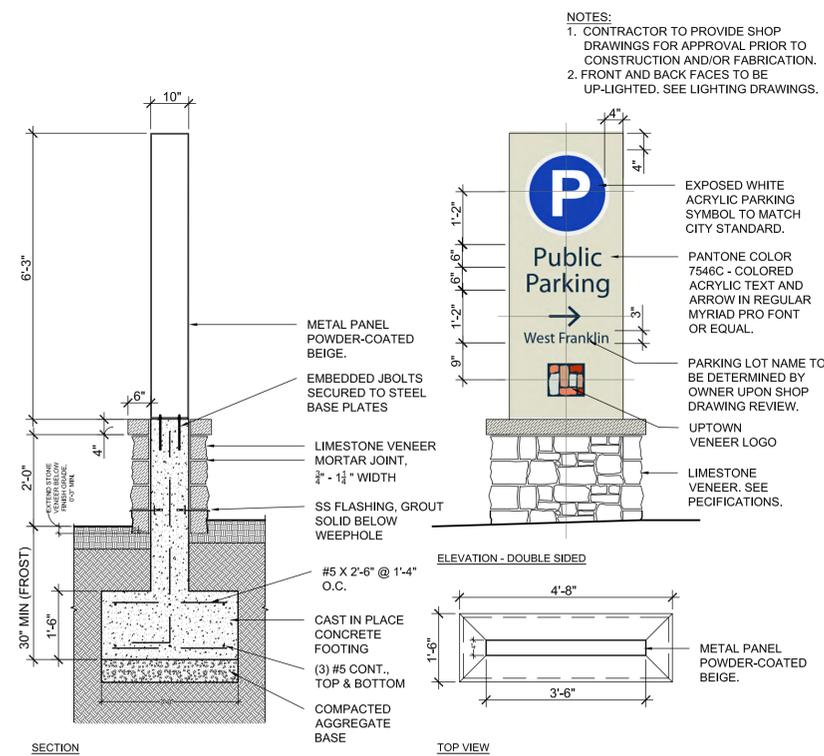
3 SHRUB PLANTING DETAIL (MASS PLANTING AND HEDGES)
 SCALE: 1" = 1'-0"



NOTE:
 LAYOUT PLANTS ALONG PERIMETER OF PLANTING BED FIRST, PARALLEL TO AND UNIFORMLY OFFSET FROM EDGE OF BED. FILL OUT INTERIOR OF BED ON UNIFORM GRID AS SHOWN.

| TRIANGULAR SPACING = A | DISTANCE BETWEEN ROW = B | TOTAL AREA (SF) PER PLANT |
|------------------------|--------------------------|---------------------------|
| 6" | 5" | 0.21 |
| 8" | 7" | 0.39 |
| 9" | 8" | 0.50 |
| 10" | 8 1/2" | 0.59 |
| 12" (1') | 10 1/2" | 0.88 |
| 15" | 13" | 1.35 |
| 18" | 15 1/2" | 1.94 |
| 21" | 18" | 2.63 |
| 24" (2') | 21" | 3.50 |
| 30" | 26" | 5.42 |
| 36" (3') | 31" | 7.80 |
| 48" (4') | 42" | 13.84 |

4 PLANT SPACING, TYPICAL
 SCALE: 1" = 1'-0"



NOTES:
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION AND/OR FABRICATION.
 2. FRONT AND BACK FACES TO BE UP-LIGHTED. SEE LIGHTING DRAWINGS.

5 PARKING ENTRY SIGNAGE
 SCALE: 1/2" = 1'-0"

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