

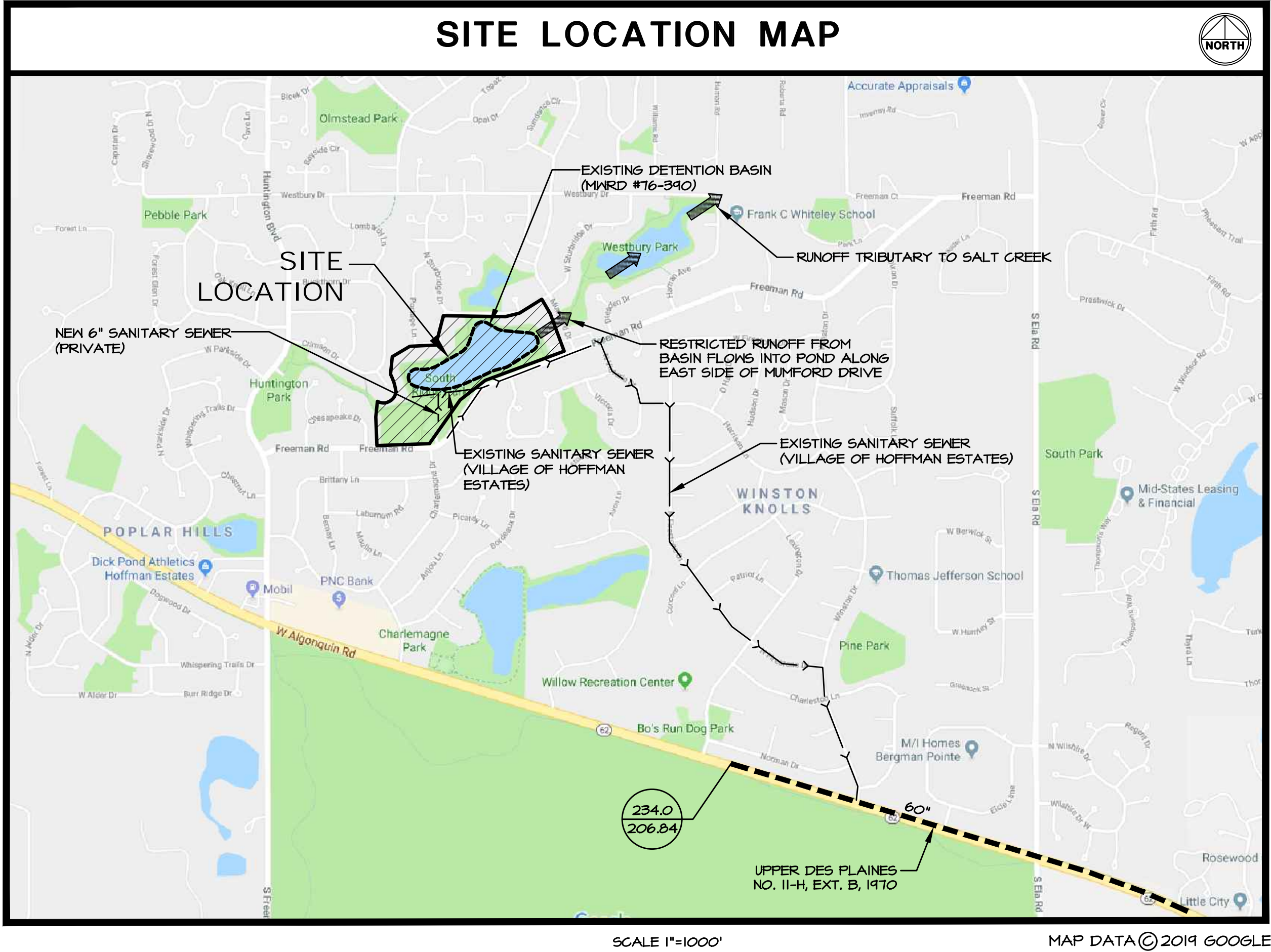
# SOUTH RIDGE COMMUNITY PARK (BID SET)

## ENHANCEMENT PLAN 2019

### 1450 FREEMAN ROAD HOFFMAN ESTATES, IL 60192

CIVIL DRAWING INDEX		
SHEET	DESCRIPTION	DATE
T-1.0	TITLE SHEET	1-23-20
C-1.0	OVERALL SITE PLAN	1-23-20
C-2.0 - C-2.4	SITE DEMOLITION PLAN	1-23-20
C-3.0 - C-3.4	SITE GEOMETRIC PLAN	1-23-20
C-4.0 - C-4.4	SITE DEVELOPMENT PLAN	1-23-20
C-4.5 - C-4.8	SITE DEVELOPMENT DETAILS	1-23-20
C-5.0 - C-5.5	SITE GRADING PLAN	1-23-20
C-6.0 - C-6.4	SITE UTILITY PLAN	1-23-20
C-6.5 - C-6.7	SITE UTILITY DETAILS	1-23-20
C-7.0 - C-7.4	STORM WATER POLLUTION PREVENTION PLAN	1-23-20
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L-1.0	LANDSCAPE PLAN	1-23-20
A-01 - A-02	ARCHITECTURAL PLANS, DETAILS AND SECTIONS	1-23-20
E1.0 - E2.0	ELECTRICAL PLAN	1-23-20
M1.1	MECHANICAL PLAN	1-23-20
P1.1 - P2.1	PLUMBING PLAN	1-23-20
1-10	SPLASH PAD DRAWINGS	1-20-20
1-4	PLAT OF SURVEY (PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC.)	6-16-09

BENCHMARK:  
SITE BENCHMARK - MUELLER BOLT, TOP FLANGE OF HYDRANT, IN FRONT OF  
1295 FREEMAN ROAD.  
ELEVATION = 840.10



SECTION 19  
TOWNSHIP 44N  
RANGE 10E

**LEGEND**

- > SANITARY SEWER
- > STORM SEWER
- > COMBINED SEWER
- MWRD. SEWERS

#### CIVIL ENGINEERING STATEMENT AND SEAL

I, TODD ABRAMS, P.E., DULY LICENSED IN THE STATE OF ILLINOIS BY THE DEPARTMENT OF FINANCIAL AND PROFESSIONAL REGULATION, DO HEREBY STATE THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF DOES CONFORM TO THE APPLICABLE BUILDING CODES AND ORDINANCES, AND ARE IN COMPLIANCE WITH THE ENVIRONMENTAL BARRIERS ACT (410 ILCS 25) AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400).

DATE: \_\_\_\_\_  
TODD ABRAMS - ILLINOIS P.E. # 062-061600  
DATE OF EXPIRATION - NOVEMBER 30, 2021  
NOTE: SIGNED AND SEALED FOR SHEETS T-1.0 THROUGH L-1.0

#### DRAINAGE CERTIFICATE:

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE PROPOSED DEVELOPMENT. IF ANY DRAINAGE PATTERNS WILL BE CHANGED, REASONABLE PROVISIONS HAVE BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS, OR DRAINS APPROVED FOR THE USE BY THE MUNICIPAL ENGINEER, AND THAT SUCH SURFACE WATERS ARE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGES TO ADJOINING PROPERTIES.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_  
062-061600 EXP. DATE 11/30/21  
DESIGN ENGINEER- TODD ABRAMS, P.E.

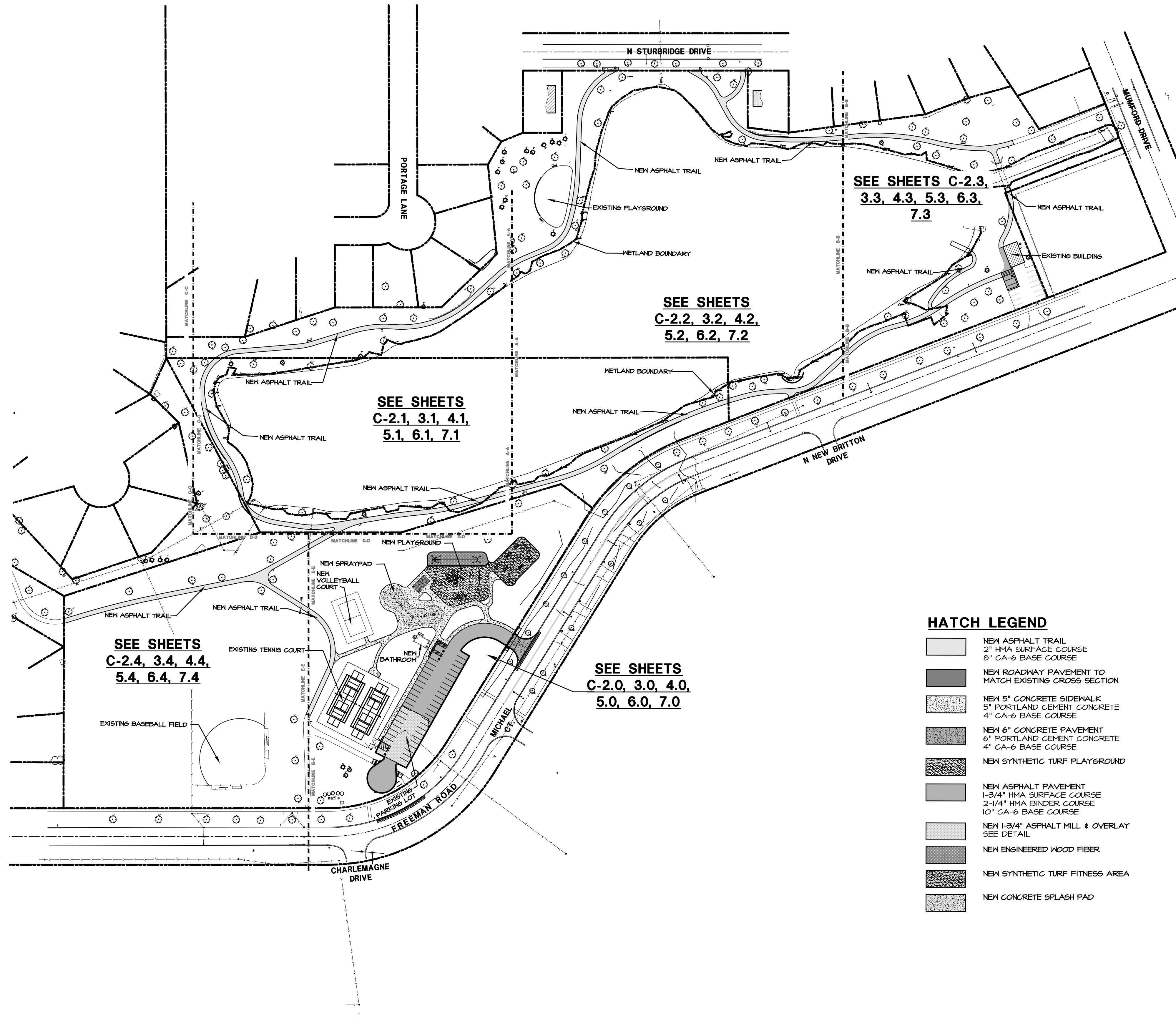
CALL JULIE TOLL FREE  
(800)842-0123  
OPERATES 24 HOURS A  
DAY 365 DAYS A YEAR



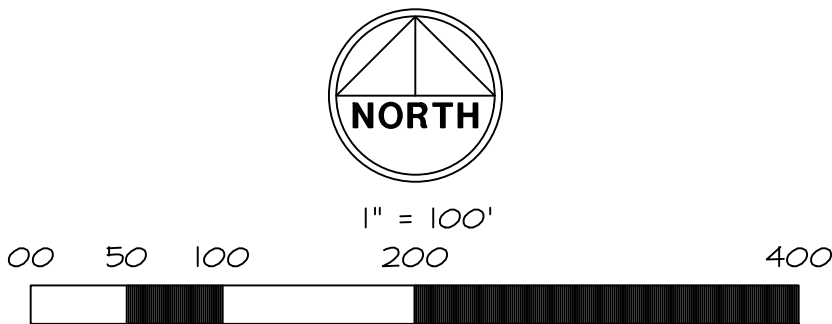
CALL  
(800)842-0123  
48 HOURS BEFORE  
YOU DIG

CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA  
OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK

NOTE: BEING THAT THIS PROJECT IS PERMITTED UNDER THE NEW WATERSHED MANAGEMENT ORDINANCE (NMW), THE NMW REQUIRES 48 HOURS OF ADVANCE NOTIFICATION PRIOR TO ANY GROUND DISTURBANCE. THE NMW WILL BE INSPECTING FOR APPLICABLE EROSION CONTROL AND SEDIMENT CONTROL MEASURES SUCH AS SILT FENCING, INLET PROTECTION, CONCRETE WASH, ETC., FOLLOWED BY SANITARY SEWER AND VOLUME CONTROL INSTALLATION INSPECTIONS. PLEASE REFER TO THE APPROVED PERMIT/PLANS AND HAVE THESE MEASURES IN PLACE IN ACCORDANCE WITH THE SPECIFICATIONS.

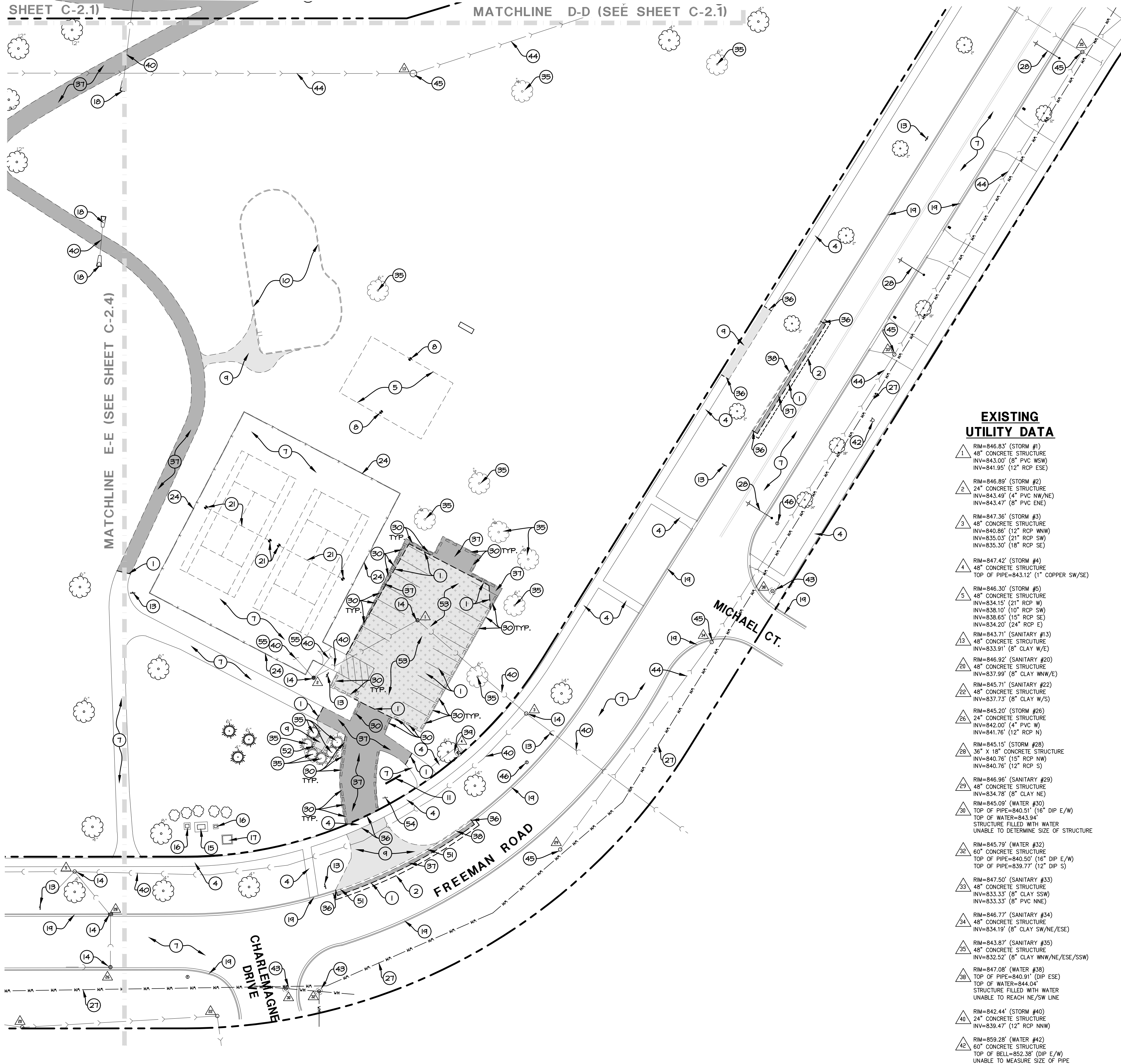


HATCH LEGEND	
	NEW ASPHALT TRAIL 2" HMA SURFACE COURSE 8" CA-6 BASE COURSE
	NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
	NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW 6" CONCRETE PAVEMENT 6" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW SYNTHETIC TURF PLAYGROUND
	NEW ASPHALT PAVEMENT 1-3/4" HMA SURFACE COURSE 2-1/4" HMA BINDER COURSE 10" CA-6 BASE COURSE
	NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
	NEW ENGINEERED WOOD FIBER
	NEW SYNTHETIC TURF FITNESS AREA
	NEW CONCRETE SPLASH PAD



SHEET C-2.1) MATCHLINE D-D (SEE SHEET C-2.1)

MATCHLINE E-E (SEE SHEET C-2.4)



EXISTING UTILITY DATA

- 1 RIM=846.83' (STORM #1)  
48" CONCRETE STRUCTURE  
INV=843.00' (8" PVC WSW)  
INV=841.95' (12" RCP ESE)
- 2 RIM=846.89' (STORM #2)  
24" CONCRETE STRUCTURE  
INV=843.49' (4" PVC NW/NE)  
INV=843.47' (8" PVC ENE)
- 3 RIM=847.36' (STORM #3)  
48" CONCRETE STRUCTURE  
INV=840.66' (12" RCP WNW)  
INV=835.03' (21" RCP SW)  
INV=835.30' (18" RCP SE)
- 4 RIM=847.42' (STORM #4)  
48" CONCRETE STRUCTURE  
TOP OF PIPE=843.12' (1" COPPER SW/SE)
- 5 RIM=846.30' (STORM #5)  
48" CONCRETE STRUCTURE  
INV=834.15' (21" RCP W)  
INV=838.10' (10" RCP SW)  
INV=836.65' (15" RCP SE)  
INV=834.20' (24" RCP E)
- 13 RIM=843.71' (SANITARY #13)  
48" CONCRETE STRUCTURE  
INV=833.91' (8" CLAY W/E)
- 20 RIM=846.92' (SANITARY #20)  
48" CONCRETE STRUCTURE  
INV=837.99' (8" CLAY WNW/E)
- 22 RIM=845.71' (SANITARY #22)  
48" CONCRETE STRUCTURE  
INV=837.73' (8" CLAY W/S)
- 26 RIM=845.20' (STORM #26)  
24" CONCRETE STRUCTURE  
INV=842.00' (4" PVC W)  
INV=841.76' (12" RCP N)
- 28 RIM=845.15' (STORM #28)  
36" X 18" CONCRETE STRUCTURE  
INV=840.76' (15" RCP NW)  
INV=840.76' (12" RCP S)
- 29 RIM=846.96' (SANITARY #29)  
48" CONCRETE STRUCTURE  
INV=834.78' (8" CLAY NE)
- 30 RIM=845.09' (WATER #30)  
TOP OF PIPE=840.51' (16" DIP E/W)  
TOP OF WATER=843.94'  
STRUCTURE FILLED WITH WATER  
UNABLE TO DETERMINE SIZE OF STRUCTURE
- 32 RIM=845.79' (WATER #32)  
60" CONCRETE STRUCTURE  
TOP OF PIPE=840.50' (16" DIP E/W)  
TOP OF PIPE=839.77' (12" DIP S)
- 33 RIM=847.50' (SANITARY #33)  
48" CONCRETE STRUCTURE  
INV=833.33' (8" CLAY SSW)  
INV=833.33' (8" PVC NNE)
- 34 RIM=846.77' (SANITARY #34)  
48" CONCRETE STRUCTURE  
INV=834.19' (8" CLAY SW/NE/ESE)
- 35 RIM=843.87' (SANITARY #35)  
48" CONCRETE STRUCTURE  
INV=832.52' (8" CLAY WNW/NE/ESE/SSW)
- 38 RIM=847.08' (WATER #38)  
TOP OF WATER=840.91' (DIP ESE)  
TOP OF WATER=844.04'  
STRUCTURE FILLED WITH WATER  
UNABLE TO REACH NE/SW LINE
- 40 RIM=842.44' (STORM #40)  
24" CONCRETE STRUCTURE  
INV=839.47' (12" RCP NNW)
- 42 RIM=859.28' (WATER #42)  
60" CONCRETE STRUCTURE  
TOP OF BELL=852.36' (DIP E/W)  
UNABLE TO MEASURE SIZE OF PIPE

PROJECT NOTES:

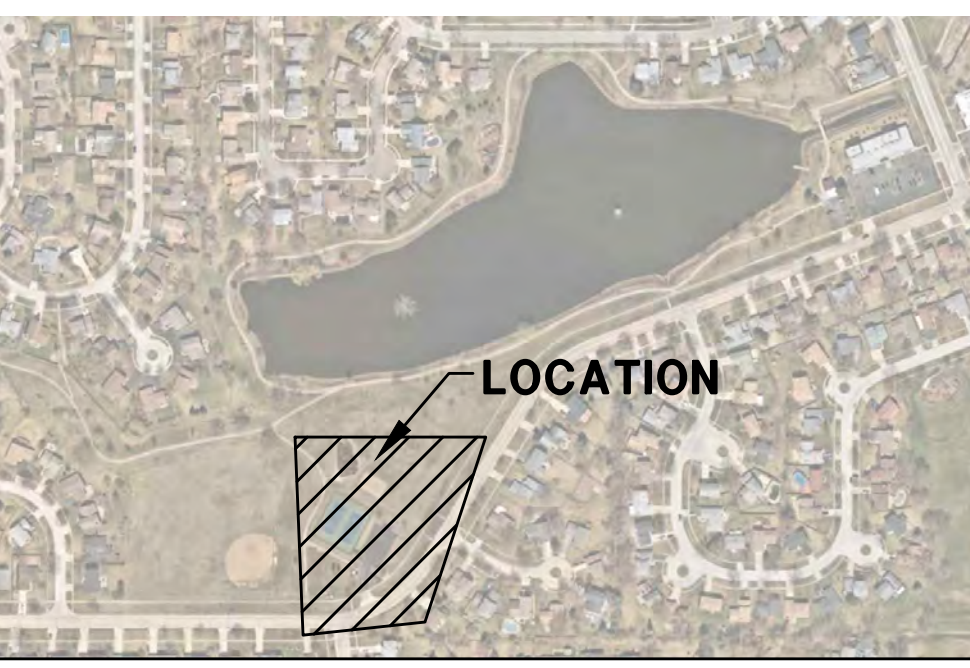
1. NEW FULL DEPTH SANCUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE CLEAN CONSTRUCTION BREAK.
2. NEW 2' BUTT JOINT.
3. EXISTING PAVEMENT STRIPING TO REMAIN.
4. EXISTING CONCRETE SIDEWALK TO REMAIN.
5. EXISTING SAND VOLLEYBALL COURT TO BE REMOVED FULL DEPTH.
6. EXISTING CONCRETE PAVEMENT TO REMAIN.
7. EXISTING ASPHALT PAVEMENT TO REMAIN.
8. EXISTING VOLLEYBALL COURT POST AND NET TO BE REMOVED.
9. EXISTING CONCRETE TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT PLAN FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES.
10. EXISTING PLAYGROUND TO BE REMOVED.
11. EXISTING 1D SIGN TO BE REMOVED AND SALVAGED.
12. EXISTING CONCRETE WALL TO REMAIN.
13. EXISTING SIGN TO REMAIN.
14. EXISTING STORM STRUCTURE TO REMAIN.
15. EXISTING GENERATOR TO REMAIN.
16. EXISTING ELECTRIC METER TO REMAIN.
17. EXISTING TRANSFORMER TO REMAIN.
18. EXISTING FLARED END SECTION TO REMAIN.
19. EXISTING CURB AND GUTTER TO REMAIN.
20. EXISTING DEPRESSED CURB AND GUTTER TO REMAIN.
21. EXISTING TENNIS COURT POST AND NET TO REMAIN.
22. NEW FULL DEPTH SANCUT OF EXISTING CONCRETE TO PROVIDE CLEAN CONSTRUCTION BREAK AT NEAREST JOINT.
23. EXISTING BENCH ON CONCRETE PAD TO REMAIN.
24. EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION.
25. EXISTING ASPHALT TRAIL TO REMAIN.
26. EXISTING BASKETBALL COURT TO REMAIN.
27. EXISTING WATERMAIN PER VILLAGE RECORDS TO REMAIN.
28. EXISTING STREET LIGHT TO REMAIN.
29. EXISTING PLAYGROUND TO REMAIN.
30. EXISTING WHEELSTOPS TO BE REMOVED AND SALVAGED.
31. EXISTING BUILDING TO REMAIN.
32. EXISTING TRASH CAN ON CONCRETE PAD TO REMAIN.
33. EXISTING BRIDGE TO REMAIN.
34. EXISTING BLOCK WALL TO REMAIN.
35. EXISTING TREE TO BE REMOVED.
36. NEW FULL DEPTH SANCUT OF EXISTING CONCRETE TO PROVIDE CLEAN CONSTRUCTION BREAK.
37. EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT PLAN FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES.
38. EXISTING CURB AND GUTTER TO BE REMOVED.
39. EXISTING DRINKING FOUNTAIN TO REMAIN.
40. EXISTING SANITARY STRUCTURE TO REMAIN.
41. EXISTING WHEELSTOPS TO REMAIN.
42. EXISTING FIRE HYDRANT TO REMAIN.
43. EXISTING VALVE VAULT TO REMAIN.
44. EXISTING SANITARY SEWER TO REMAIN.
45. EXISTING SANITARY STRUCTURE TO REMAIN.
46. EXISTING TELCO PEDISTAL TO REMAIN.
47. EXISTING FLARED END SECTION TO BE REMOVED AND SALVAGED.
48. EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR TO REMAIN.
49. EXISTING WOOD DOCK TO REMAIN.
50. EXISTING ADA PARKING STALL TO BE REMOVED AND SALVAGED.
51. EXISTING DEPRESSED CURB AND GUTTER TO BE REMOVED.
52. EXISTING WOOD FENCE TO BE REMOVED.
53. EXISTING ASPHALT PAVEMENT TO BE MILLED TO A DEPTH OF 1.75".
54. EXISTING SIGN TO BE REMOVED.
55. CONTRACTOR SHALL TRACE UTILITY ROUTING PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY IF CONFLICTS EXIST.

HATCH LEGEND

- EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE MILLED TO A DEPTH OF 1.75"

DEMOLITION LEGEND

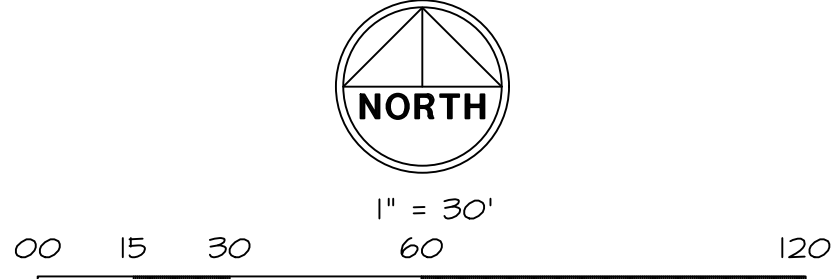
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING B-BOX
- EXISTING STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING FLARED END SECTION
- EXISTING TREE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING TELCO PEDISTAL
- EXISTING FIRE HYDRANT
- EXISTING VALVE WITH VAULT
- WETLAND BOUNDARY
- NORMAL WATER LEVEL



KEYMAP  
SCALE: N.T.S.

SITE DEMOLITION NOTES:

- A. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- B. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
- C. CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AND COMPLY WITH THE NPDES II REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE INDIVIDUAL STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- D. ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- E. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- F. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS) INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR.
- G. CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS SERVICES ARE UNKNOWN.
- H. ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
- I. ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- K. CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- L. ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- M. PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.
- N. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- NA. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY KIT LAND SURVEYING INC. ON 7-24-19.
- O. SEE SHEETS 1-4 "PLAT OF SURVEY" FOR ALL EXISTING LOCATED UTILITY DATA.
- P. CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- Q. ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- R. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LFC-662 AND/OR LFC-663 FORMS AS PART OF THEIR CONTRACT.
- S. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.



**WT GROUP**  
Engineering with Precision, Pace and Passion.  
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Engineering • Design • Consulting

AQUATIC \ CIVIL \ MECHANICAL \ ELECTRICAL \ PLUMBING \ TELECOMMUNICATION \ STRUCTURAL \ ACCESSIBILITY CONSULTING \ DESIGN & PROGRAM MANAGEMENT \ LAND SURVEY

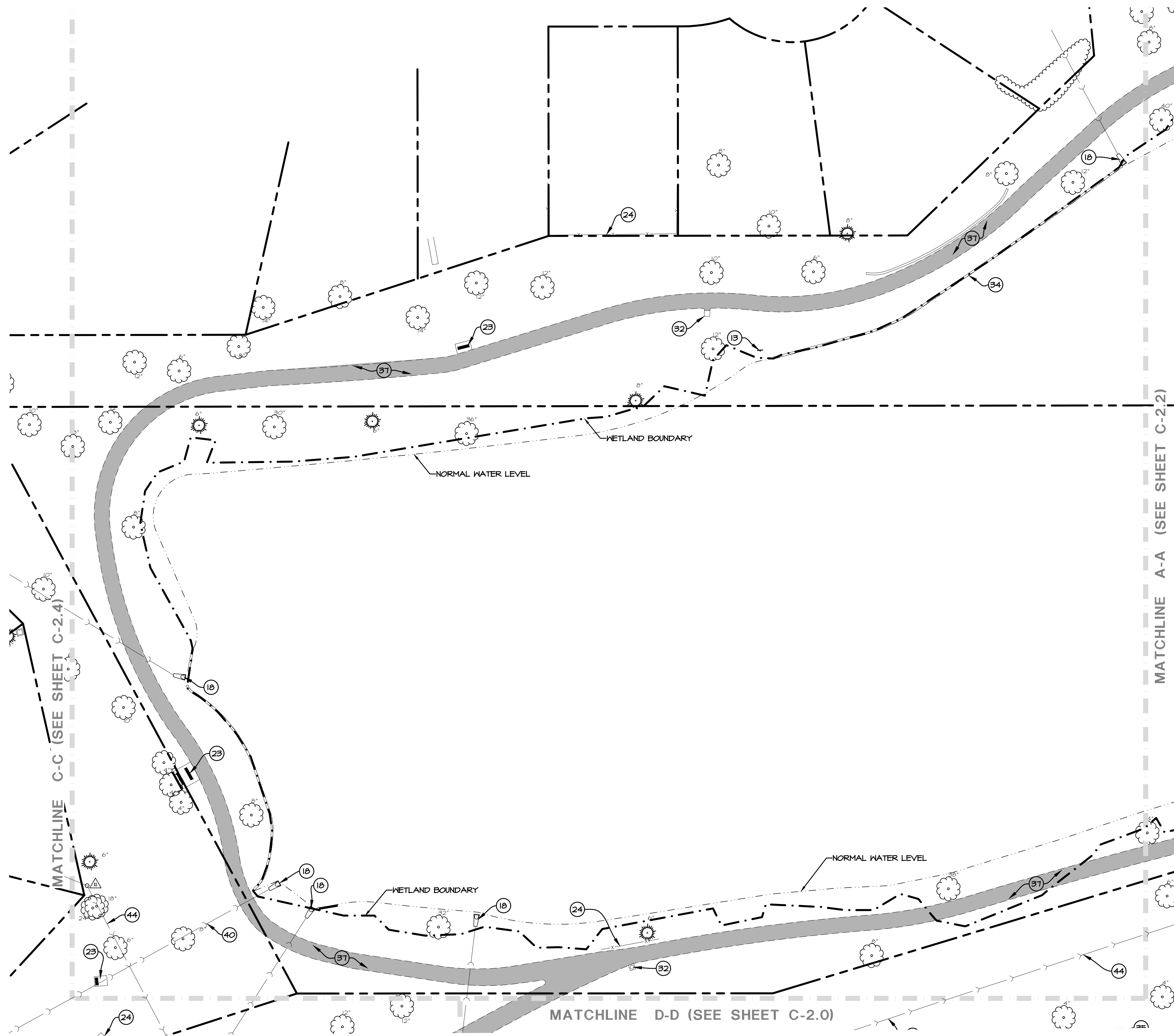
SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

**heparks**  
making life fun

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**C-2.0**  
SITE DEMOLITION PLAN



### EXISTING UTILITY DATA

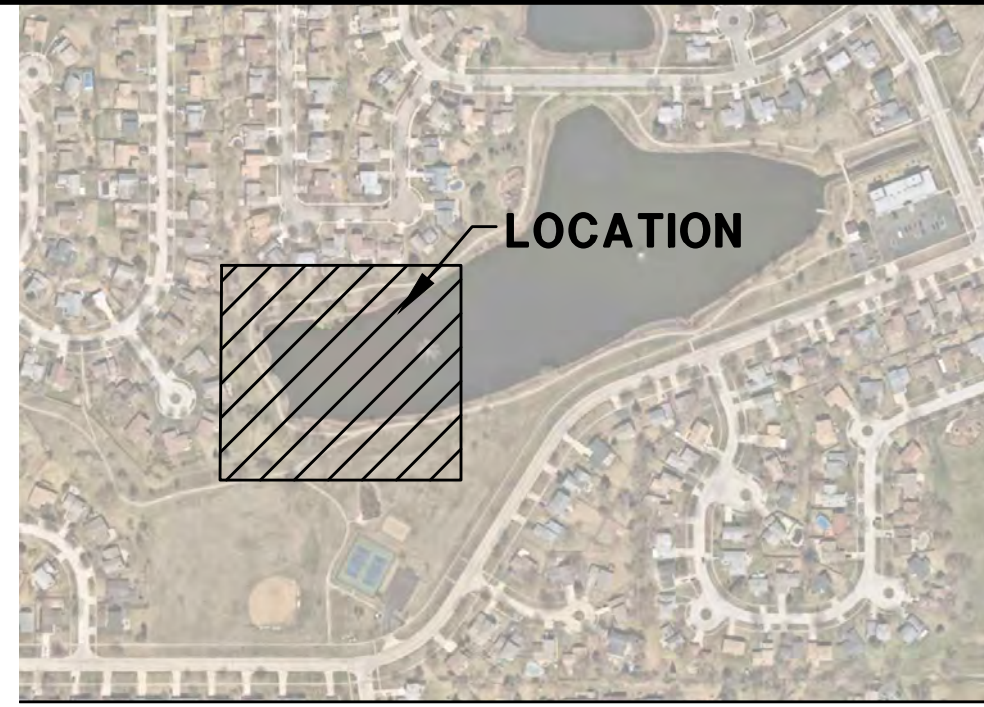
1. RIM=846.83' (STORM #1) 48" CONCRETE STRUCTURE INV=843.00' (8" PVC WSW)	29. RIM=846.92' (SANITARY #20) 48" CONCRETE STRUCTURE INV=837.99' (8" CLAY WNW/E)	33. RIM=847.50' (SANITARY #33) 48" CONCRETE STRUCTURE INV=833.33' (8" CLAY SSW)
2. RIM=846.89' (STORM #2) 24" CONCRETE STRUCTURE INV=843.49' (4" PVC NW/NE)	32. RIM=845.71' (SANITARY #22) 48" CONCRETE STRUCTURE INV=837.73' (8" CLAY W/S)	34. RIM=846.77' (SANITARY #34) 48" CONCRETE STRUCTURE INV=834.19' (8" CLAY SW/NE/ESE)
3. RIM=847.36' (STORM #3) 48" CONCRETE STRUCTURE INV=840.86' (12" RCP WNW)	30. RIM=845.20' (STORM #26) 24" CONCRETE STRUCTURE INV=842.00' (4" PVC W)	35. RIM=843.87' (SANITARY #35) 48" CONCRETE STRUCTURE INV=832.52' (8" CLAY WNW/NE/ESE/SSW)
4. RIM=847.42' (STORM #4) 48" CONCRETE STRUCTURE TOP OF PIPE=843.12' (1" COPPER SW/SE)	28. RIM=845.15' (STORM #28) 36" X 18" CONCRETE STRUCTURE INV=840.76' (15" RCP NW)	38. RIM=847.08' (WATER #38) TOP OF PIPE=840.91' (DIP ESE)
5. RIM=846.30' (STORM #5) 48" CONCRETE STRUCTURE INV=838.10' (10" RCP SW)	27. RIM=846.96' (SANITARY #29) 48" CONCRETE STRUCTURE INV=834.78' (8" CLAY NE)	37. RIM=842.44' (STORM #40) 24" CONCRETE STRUCTURE INV=839.47' (12" RCP WNW)
6. RIM=843.49' (STORM #6) 48" CONCRETE STRUCTURE INV=835.03' (21" RCP SW)	26. RIM=845.09' (WATER #30) TOP OF PIPE=840.51' (16" DIP E/W)	40. RIM=845.09' (WATER #42) 60" CONCRETE STRUCTURE TOP OF BELL=852.38' (DIP E/W)
7. RIM=843.76' (STORM #7) 48" CONCRETE STRUCTURE INV=835.30' (18" RCP SE)	25. RIM=845.79' (WATER #32) 60" CONCRETE STRUCTURE TOP OF PIPE=840.50' (16" DIP E/W)	42. RIM=859.28' (WATER #42) 60" CONCRETE STRUCTURE TOP OF BELL=852.38' (DIP E/W)
8. RIM=843.71' (SANITARY #13) 48" CONCRETE STRUCTURE INV=833.91' (8" CLAY W/E)	24. RIM=845.79' (WATER #32) 60" CONCRETE STRUCTURE TOP OF PIPE=840.50' (16" DIP E/W)	44. RIM=845.79' (WATER #32) 60" CONCRETE STRUCTURE TOP OF PIPE=840.50' (16" DIP E/W)

### PROJECT NOTES:

1. NEW FULL DEPTH SANKUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE CLEAN CONSTRUCTION BREAK.
2. NEW 2" BUTT JOINT.
3. EXISTING PAVEMENT STRIPING TO REMAIN.
4. EXISTING CONCRETE SIDEWALK TO REMAIN.
5. EXISTING SAND VOLLEYBALL COURT TO BE REMOVED FULL DEPTH.
6. EXISTING CONCRETE PAVEMENT TO REMAIN.
7. EXISTING ASPHALT PAVEMENT TO REMAIN.
8. EXISTING VOLLEYBALL COURT POST AND NET TO BE REMOVED.
9. EXISTING CONCRETE TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT PLAN FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES.
10. EXISTING PLAYGROUND TO BE REMOVED.
11. EXISTING I.D. SIGN TO BE REMOVED AND SALVAGED.
12. EXISTING CONCRETE WALL TO REMAIN.
13. EXISTING SIGN TO REMAIN.
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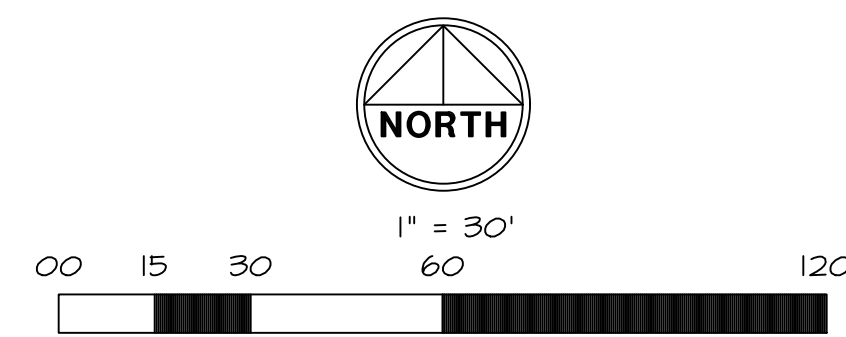


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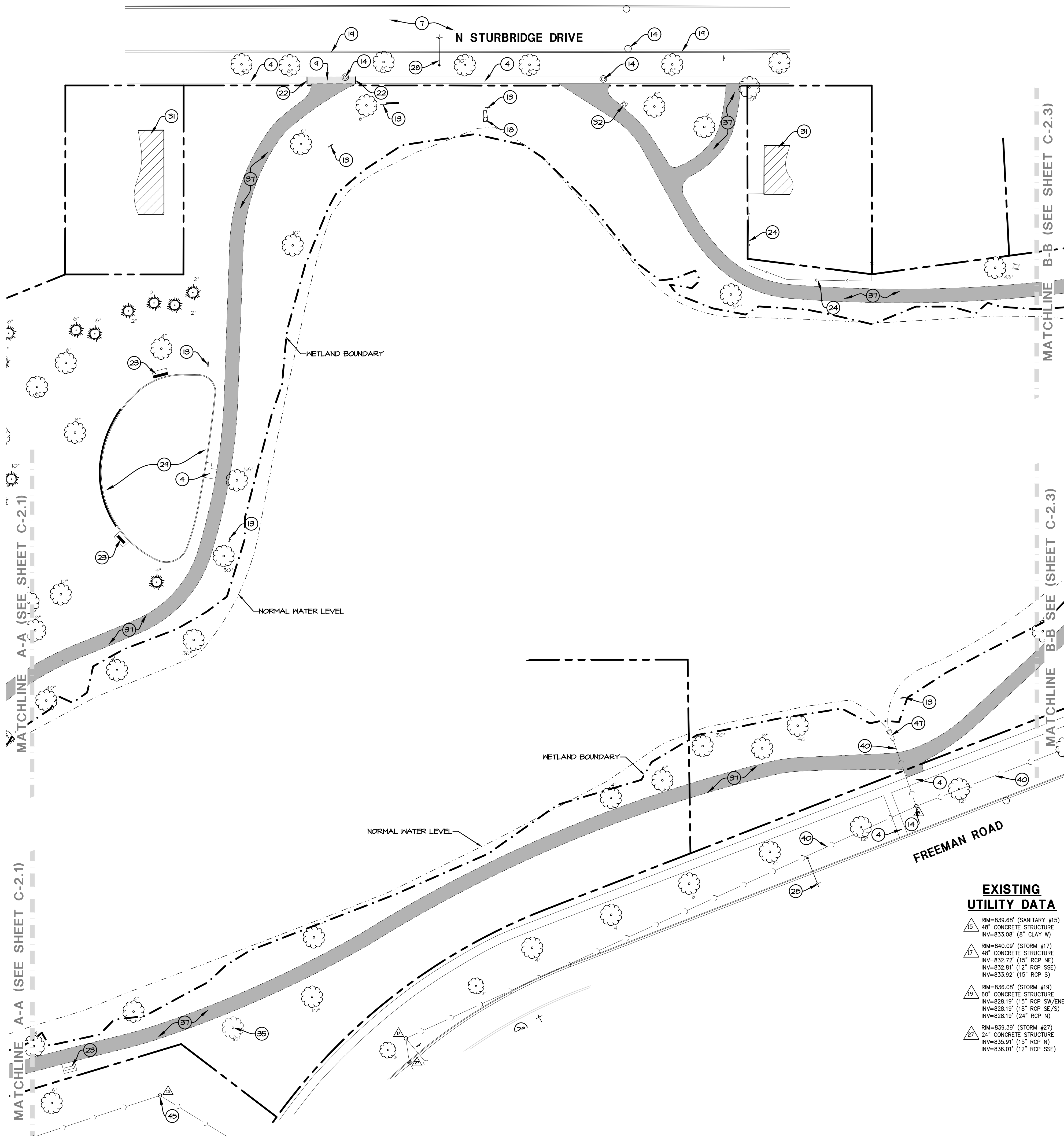
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### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20



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## EXISTING UTILITY DATA

- △ RM=839.68' (SANITARY #15)  
48" CONCRETE STRUCTURE  
INV=833.08' (8" CLAY W)
- △ RM=840.09' (STORM #17)  
48" CONCRETE STRUCTURE  
INV=832.72' (15" RCP NE)  
INV=832.81' (12" RCP SSE)  
INV=833.92' (15" RCP S)
- △ RM=836.08' (STORM #19)  
60" CONCRETE STRUCTURE  
INV=828.19' (15" RCP SW/ESE)  
INV=828.19' (18" RCP SE/S)  
INV=828.19' (24" RCP N)
- △ RM=839.39' (STORM #27)  
24" CONCRETE STRUCTURE  
INV=835.91' (15" RCP N)  
INV=836.01' (12" RCP SSE)

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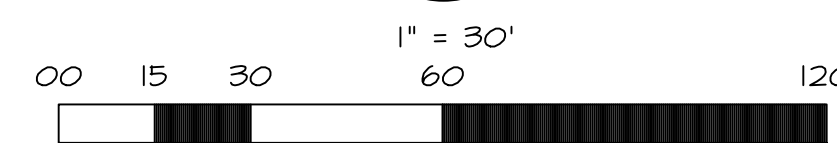


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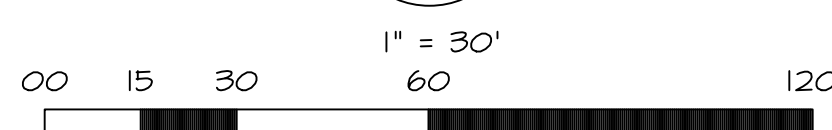


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- E. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24' THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- F. ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS) INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR.
- G. CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS LINES ARE UNKNOWN.
- H. ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
- I. ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- J. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- K. CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- L. ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- M. PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.
- N. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- N.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT AND SURVETINS INC. ON 1-24-19.
- O. SEE SHEETS 1-4 "PLAT OF SURVEY" FOR ALL EXISTING LOCATED UTILITY DATA.
- P. CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- Q. ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- R. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- S. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.

**HATCH LEGEND**

- EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE MILLED TO A DEPTH OF 1.75'



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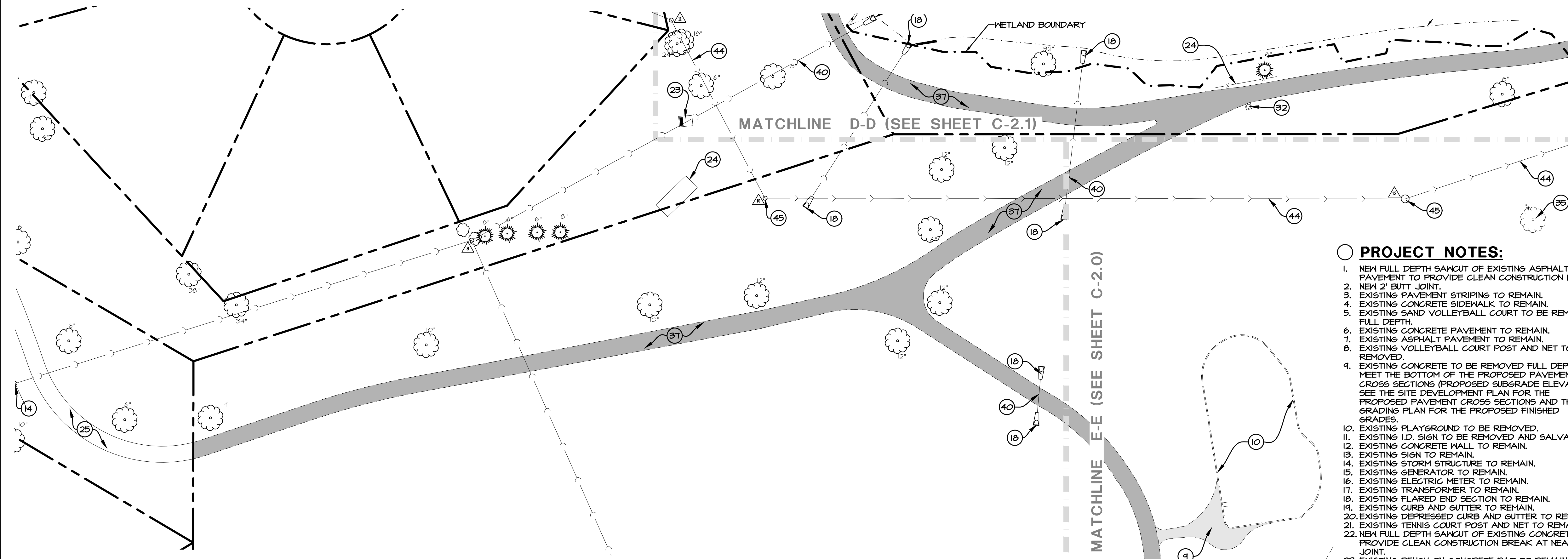
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**HATCH LEGEND**

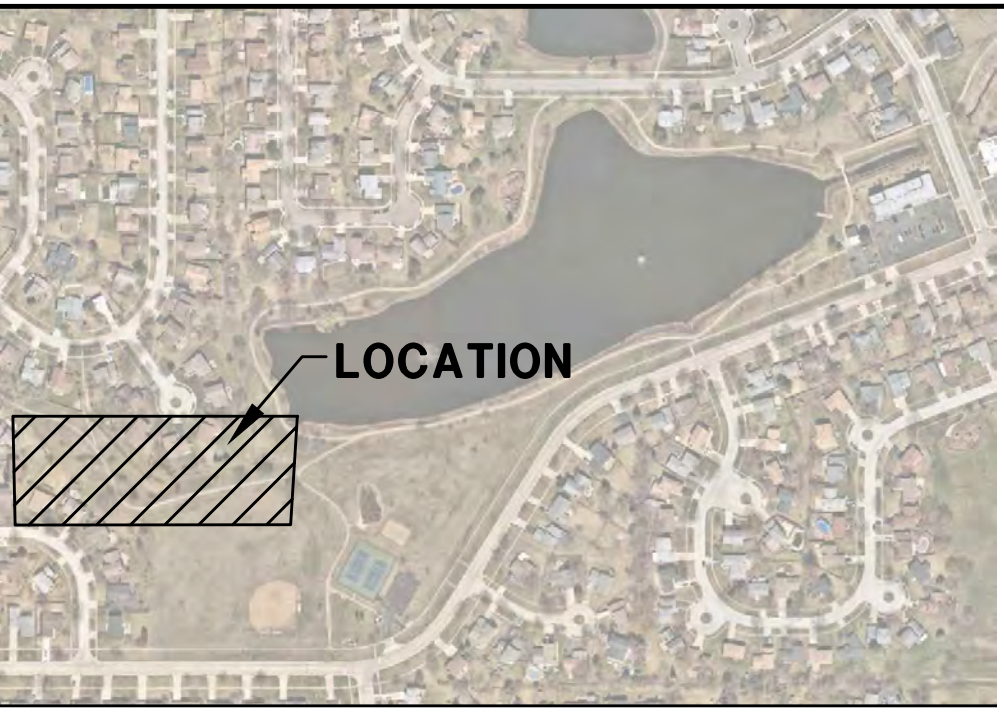
- EXISTING CONCRETE PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH
- EXISTING ASPHALT PAVEMENT TO BE MILLED TO A DEPTH OF 1.75"

**PROJECT NOTES:**

- NEW FULL DEPTH SAWCUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE CLEAN CONSTRUCTION BREAK.
- NEW 2 BUTT JOINT.
- EXISTING PAVEMENT STRIPING TO REMAIN.
- EXISTING CONCRETE SIDEWALK TO REMAIN.
- EXISTING SAND VOLLEYBALL COURT TO BE REMOVED FULL DEPTH.
- EXISTING CONCRETE PAVEMENT TO REMAIN.
- EXISTING ASPHALT PAVEMENT TO REMAIN.
- EXISTING VOLLEYBALL COURT POST AND NET TO BE REMOVED.
- EXISTING CONCRETE TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT PLAN FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES.
- EXISTING PLAYGROUND TO BE REMOVED.
- EXISTING I.D. SIGN TO BE REMOVED AND SALVAGED.
- EXISTING CONCRETE WALL TO REMAIN.
- EXISTING SIGN TO REMAIN.
- EXISTING STORM STRUCTURE TO REMAIN.
- EXISTING GENERATOR TO REMAIN.
- EXISTING ELECTRIC METER TO REMAIN.
- EXISTING TRANSFORMER TO REMAIN.
- EXISTING FLARED END SECTION TO REMAIN.
- EXISTING CURB AND GUTTER TO REMAIN.
- EXISTING DEPRESSED CURB AND GUTTER TO REMAIN.
- EXISTING TENNIS COURT POST AND NET TO REMAIN.
- NEW FULL DEPTH SAWCUT OF EXISTING CONCRETE TO PROVIDE CLEAN CONSTRUCTION BREAK AT NEAREST JOINT.
- EXISTING BENCH ON CONCRETE PAD TO REMAIN.
- EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING DRINKING FOUNTAIN TO REMAIN.
- EXISTING WHEELSTOPS TO REMAIN.
- EXISTING FIRE HYDRANT TO REMAIN.
- EXISTING VALVE VAULT TO REMAIN.
- EXISTING SANITARY SEWER TO REMAIN.
- EXISTING FLARED END SECTION TO BE REMOVED AND SALVAGED.
- EXISTING BUILDING TO REMAIN.
- EXISTING TRASH CAN ON CONCRETE PAD TO REMAIN.
- EXISTING BRIDGE TO REMAIN.
- EXISTING BLOCK WALL TO REMAIN.
- EXISTING FIRE HYDRANT TO REMAIN.
- NEW FULL DEPTH SAWCUT OF EXISTING CONCRETE TO PROVIDE CLEAN CONSTRUCTION BREAK.
- EXISTING ASPHALT PAVEMENT TO BE REMOVED FULL DEPTH TO MEET THE BOTTOM OF THE PROPOSED PAVEMENT CROSS SECTIONS (PROPOSED SUBGRADE ELEVATION). SEE THE SITE DEVELOPMENT PLAN FOR THE PROPOSED PAVEMENT CROSS SECTIONS AND THE SITE GRADING PLAN FOR THE PROPOSED FINISHED GRADES.
- EXISTING CURB AND GUTTER TO BE REMOVED.
- EXISTING DRINKING FOUNTAIN TO REMAIN.
- EXISTING WHEELSTOPS TO REMAIN.
- EXISTING FIRE HYDRANT TO REMAIN.
- EXISTING VALVE VAULT TO REMAIN.
- EXISTING SANITARY SEWER TO REMAIN.
- EXISTING SANITARY STRUCTURE TO REMAIN.
- EXISTING TELCO PEDESTAL TO REMAIN.
- EXISTING FLARED END SECTION TO BE REMOVED AND SALVAGED.
- EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR TO REMAIN.
- EXISTING WOOD DOCK TO REMAIN.
- EXISTING ADA PARKING STALL TO BE REMOVED AND SALVAGED.
- EXISTING DEPRESSED CURB AND GUTTER TO BE REMOVED.
- EXISTING WOOD FENCE TO BE REMOVED.
- EXISTING ASPHALT PAVEMENT TO BE MILLED TO A DEPTH OF 1.75".
- EXISTING SIGN TO BE REMOVED.
- CONTRACTOR SHALL TRACE UTILITY ROUTING PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY IF CONFLICTS EXIST.

**DEMOLITION LEGEND**

- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING B-BOX
- EXISTING STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING FLARED END SECTION
- EXISTING TREE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING TELCO PEDESTAL
- EXISTING FIRE HYDRANT
- EXISTING VALVE WITH VAULT
- WETLAND BOUNDARY
- NORMAL WATER LEVEL



LOCATION

**KEYMAP**

SCALE: N.T.S.

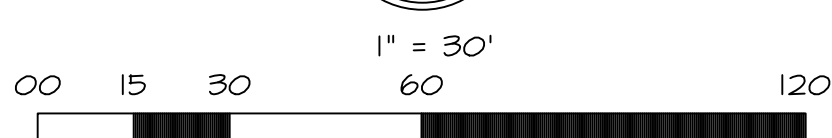


**SITE DEMOLITION NOTES:**

- CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY DEMOLITION PERMITS AND COORDINATE ALL DEMOLITION WITH THE MUNICIPALITY AND OWNERS REPRESENTATIVE TO ENSURE PROTECTION AND MAINTENANCE OF SANITARY AND WATER UTILITIES AS NECESSARY AND TO PROVIDE STORM WATER CONVEYANCE UNTIL NEW FACILITIES ARE CONSTRUCTED, TESTED, AND PLACED IN OPERATION.
- CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DAILY PROGRAM OF DUST CONTROL PROCEDURES PRIOR TO DEMOLITION OF ANY STRUCTURES. MODIFICATION OF DUST CONTROL PROCEDURES SHALL BE PERFORMED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY AND COMPLY WITH THE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND THE INDIVIDUAL STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT.
- ALL EXISTING TREES, BRUSH AND MISCELLANEOUS VEGETATION TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- ALL EXISTING BUILDINGS, FOUNDATIONS, CONCRETE OR ASPHALT PAVEMENT OR WALKS, CURB AND GUTTER AND MISCELLANEOUS STRUCTURES (INCLUDING, BUT NOT LIMITED TO FENCES, POLES, YARD LIGHTS, ELECTRICAL PANELS, AND MISCELLANEOUS DEBRIS) INDICATED TO BE DEMOLISHED SHALL BE REMOVED OR DEMOLISHED AND REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR.
- CONTACT GAS COMPANY PRIOR TO DEMOLITION. LOCATION OF EXISTING GAS SERVICES ARE UNKNOWN.
- ALL EXISTING TREES SHALL REMAIN UNLESS OTHERWISE NOTED.
- ALL EXISTING UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- CONTRACTOR SHALL PROVIDE REMOVAL AND REPLACEMENT AND SHORING AS NECESSARY TO MEET OSHA AND LOCAL CODE, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- ALL FOUNDATIONS FOR ALL FENCES, SIGNS, ETC. NOTED FOR REMOVAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFFSITE.
- PROOF-ROLLING SHALL BE PERFORMED FOR ALL SUBGRADE PRIOR TO CONSTRUCTION OF NEW PAVEMENT. ALL SUBGRADE PROOF-ROLLING SHALL BE WITNESSED AND APPROVED BY A MATERIALS TESTING AGENCY TO BE HIRED BY THE OWNER. CONTRACTOR TO COORDINATE ALL PROOF-ROLLING WITH THE MATERIALS TESTING AGENCY. CONTACT THE ENGINEER AND MATERIAL TESTING AGENCY SO THAT THEY MAY WITNESS THE PROOF ROLL. PROOF ROLL SHALL BE PROVIDED FOR ALL PAVEMENT AREAS SPECIFIED FOR FULL DEPTH REMOVAL AND REPLACEMENT.
- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS FOR THE PLAT OF SURVEY LAST DATED 6-16-2009, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND SURVEYING INC. ON 1-24-19.
- SEE SHEETS 1-4 "PLAT OF SURVEY" FOR ALL EXISTING LOCATED UTILITY DATA.
- CLEAR SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- ALL ITEMS MARK "EXISTING OR EXISTING TO REMAIN" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.

**EXISTING UTILITY DATA**

- 8' RIM=847.56' (STORM #8) 60" CONCRETE STRUCTURE INV=828.56' (36" RCP W) INV=830.67' (36" RCP ENE) INV=830.78' (24" RCP SSE)
- 9' RIM=851.01' (STORM #9) 60" CONCRETE STRUCTURE INV=832.68' (36" RCP SW) INV=832.48' (36" RCP E)
- 10' RIM=842.63' (SANITARY #10) 48" CONCRETE STRUCTURE INV=835.12' (8" METAL NNW) INV=835.12' (10" PVC E)
- 11' RIM=845.96' (SANITARY #11) 48" CONCRETE STRUCTURE INV=837.60' (8" METAL NNW/SSE)
- 12' RIM=843.71' (SANITARY #12) 48" CONCRETE STRUCTURE INV=833.91' (8" CLAY W/E)



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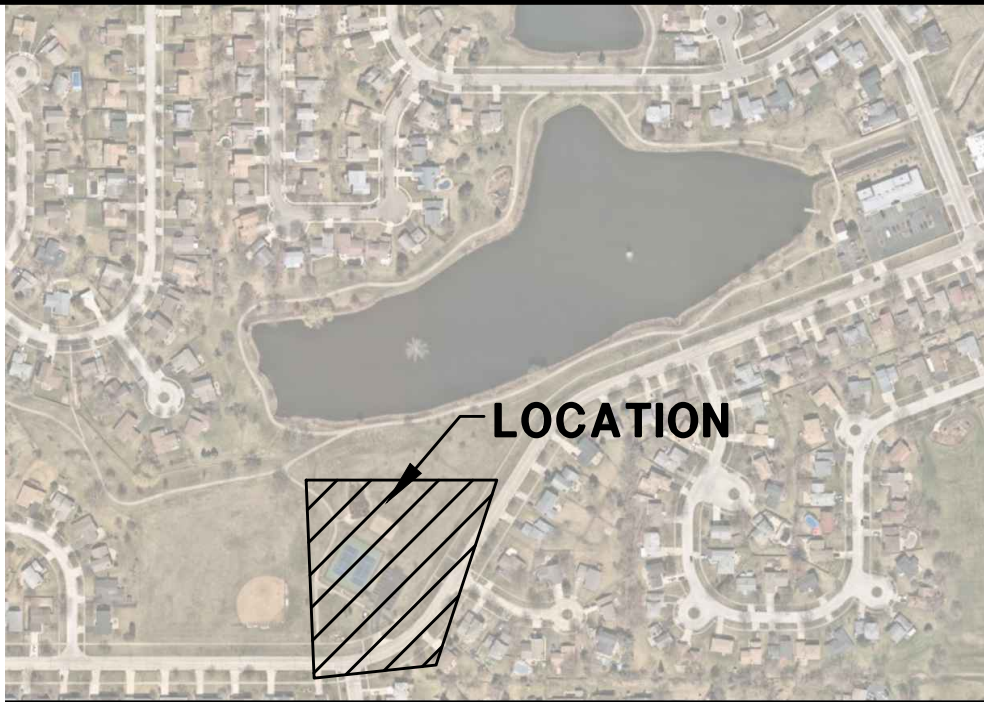
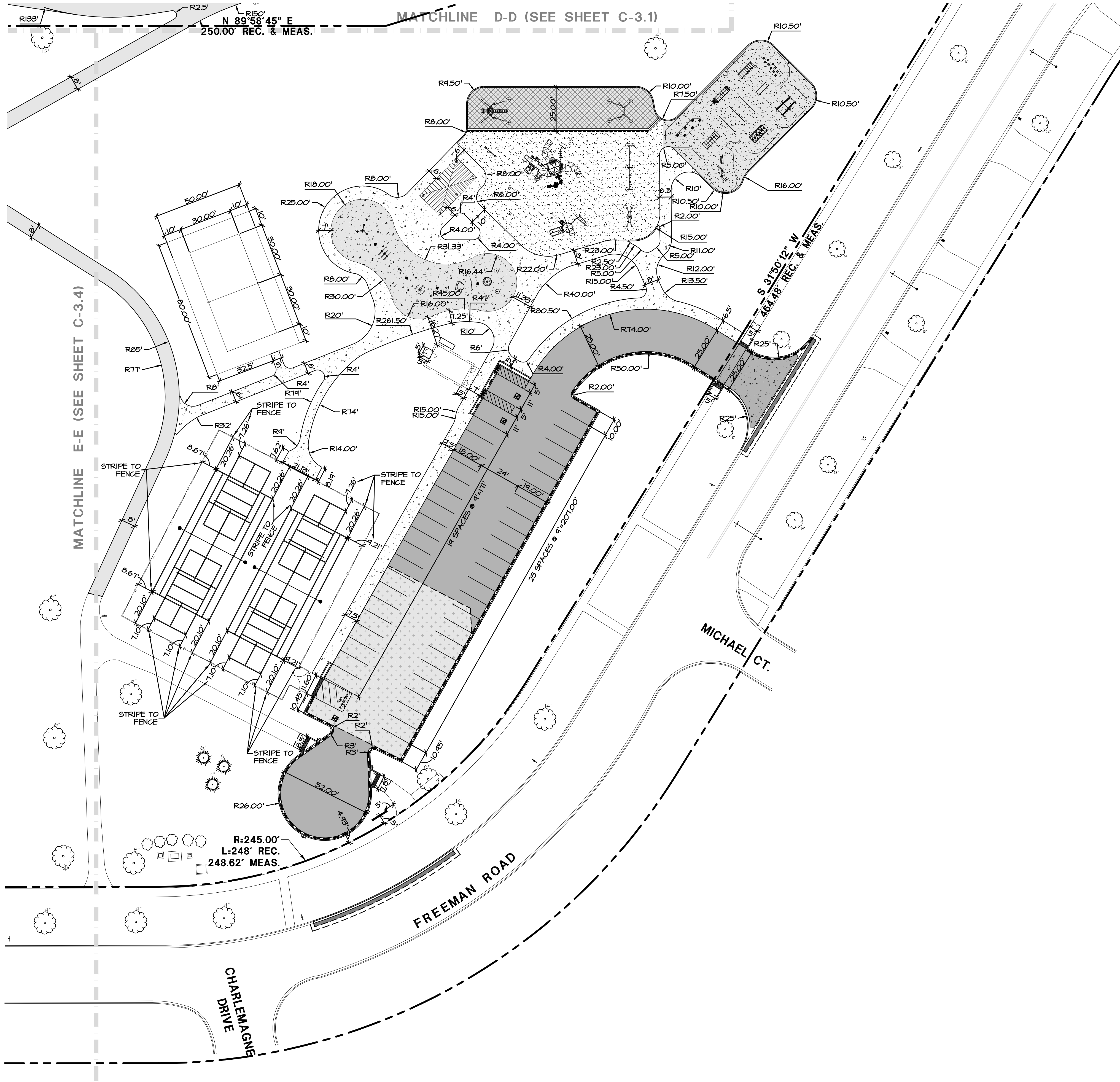
AQUATIC \ CIVIL \ MECHANICAL \ ELECTRICAL \ PLUMBING \ TELECOMMUNICATION \ STRUCTURAL \ ACCESSIBILITY CONSULTING \ DESIGN & PROGRAM MANAGEMENT \ LAND SURVEY

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1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

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1911354C

**C-2.4**  
SITE DEMOLITION PLAN



#### HATCH LEGEND

- NEW ASPHALT TRAIL  
2" HMA SURFACE COURSE  
8" CA-6 BASE COURSE
- NEW ROADWAY PAVEMENT TO  
MATCH EXISTING CROSS SECTION
- NEW 5" CONCRETE SIDEWALK  
5" PORTLAND CEMENT CONCRETE  
4" CA-6 BASE COURSE
- NEW 6" CONCRETE PAVEMENT  
6" PORTLAND CEMENT CONCRETE  
4" CA-6 BASE COURSE
- NEW SYNTHETIC TURF PLAYGROUND
- NEW ASPHALT PAVEMENT  
1-3/4" HMA SURFACE COURSE  
2-1/4" HMA BINDER COURSE  
10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY  
SEE DETAIL
- NEW ENGINEERED WOOD FIBER
- NEW SYNTHETIC TURF FITNESS AREA
- NEW CONCRETE SPLASH PAD

#### SITE GEOMETRIC NOTES:

- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND AND SURVEYING INC. ON 7-24-19.
- ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- CONTRACTOR SHALL CONTACT JULIE, (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- SEE SHEET C-4.7 FOR TENNIS COURT AND PICKLEBALL COURT STRIPING PLAN.

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OPERATES 24 HOURS A  
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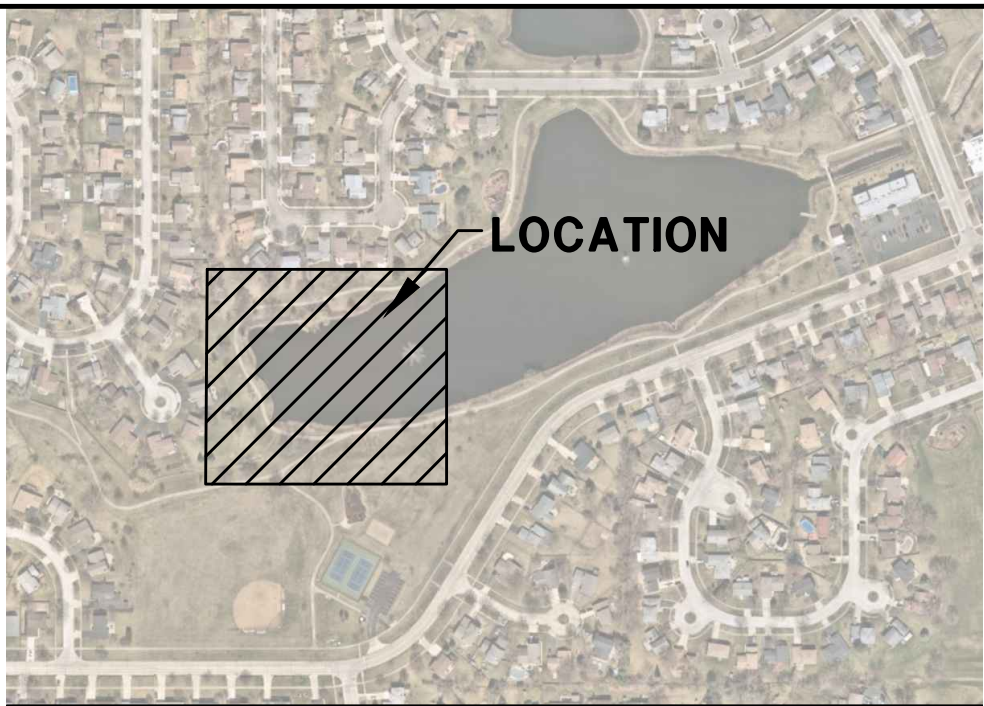
CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA  
OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK



1" = 30'  
00 15 30 60 120

#### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20



## SCALE: N.T.S.



	NEW ASPHALT TRAIL 2" HMA SURFACE COURSE 8" CA-6 BASE COURSE
	NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
	NEW 5" CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW 6" CONCRETE PAVEMENT 6" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW SYNTHETIC TURF PLAYGROUND
	NEW ASPHALT PAVEMENT 1-3/4" HMA SURFACE COURSE 2-1/4" HMA BINDER COURSE 10" CA-6 BASE COURSE
	NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
	NEW ENGINEERED WOOD FIBER
	NEW SYNTHETIC TURF FITNESS AREA
	NEW CONCRETE SPLASH PAD

EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. NOT TO SCALE. THE PLAT SHOWS EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY INT LAND AND SURVEYING INC. ON 7-24-14.

3. ALL DIMENSIONS SHOWN ARE MEASURED FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT OR FACE OF CURB UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.

5. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRANCES.

CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE CITY ENGINEER TO CONFIRM EXISTING UTILITIES.

CONTRACTOR SHALL CONTACT JULLIE, (811 OR 1-800-982-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXCAVATIONS SHALL BE FOR EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.

ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.

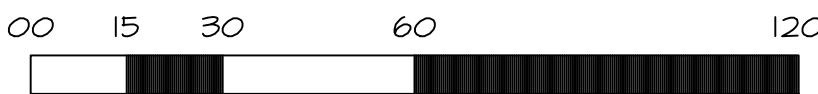
SEE SHEET 4-4.1 FOR TENNIS COURT AND PICKLEBALL COURT STRIPING PLAN.

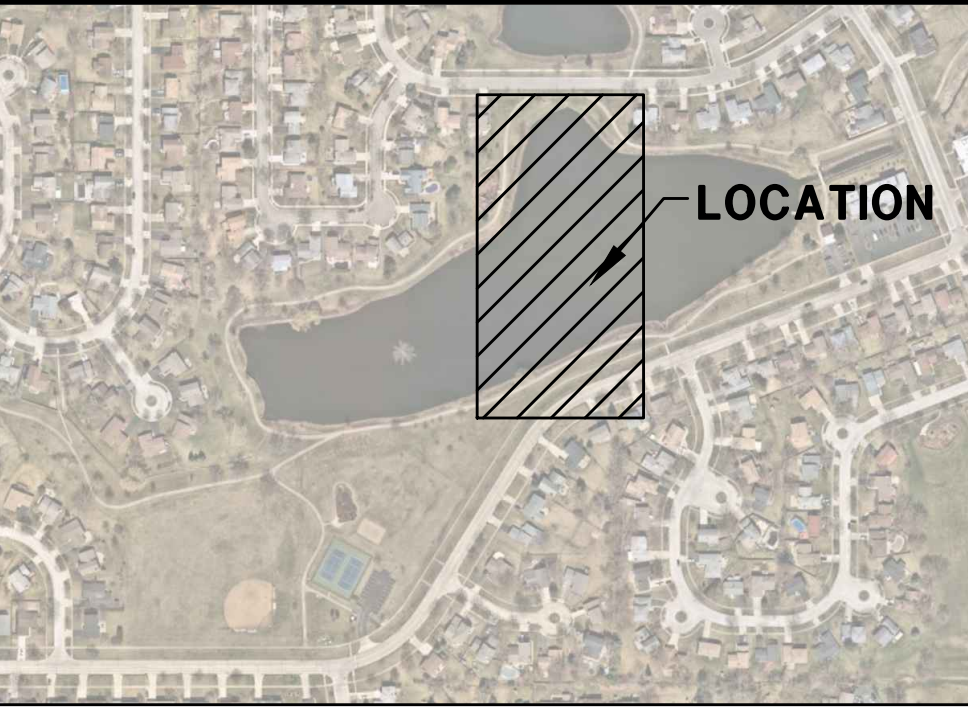
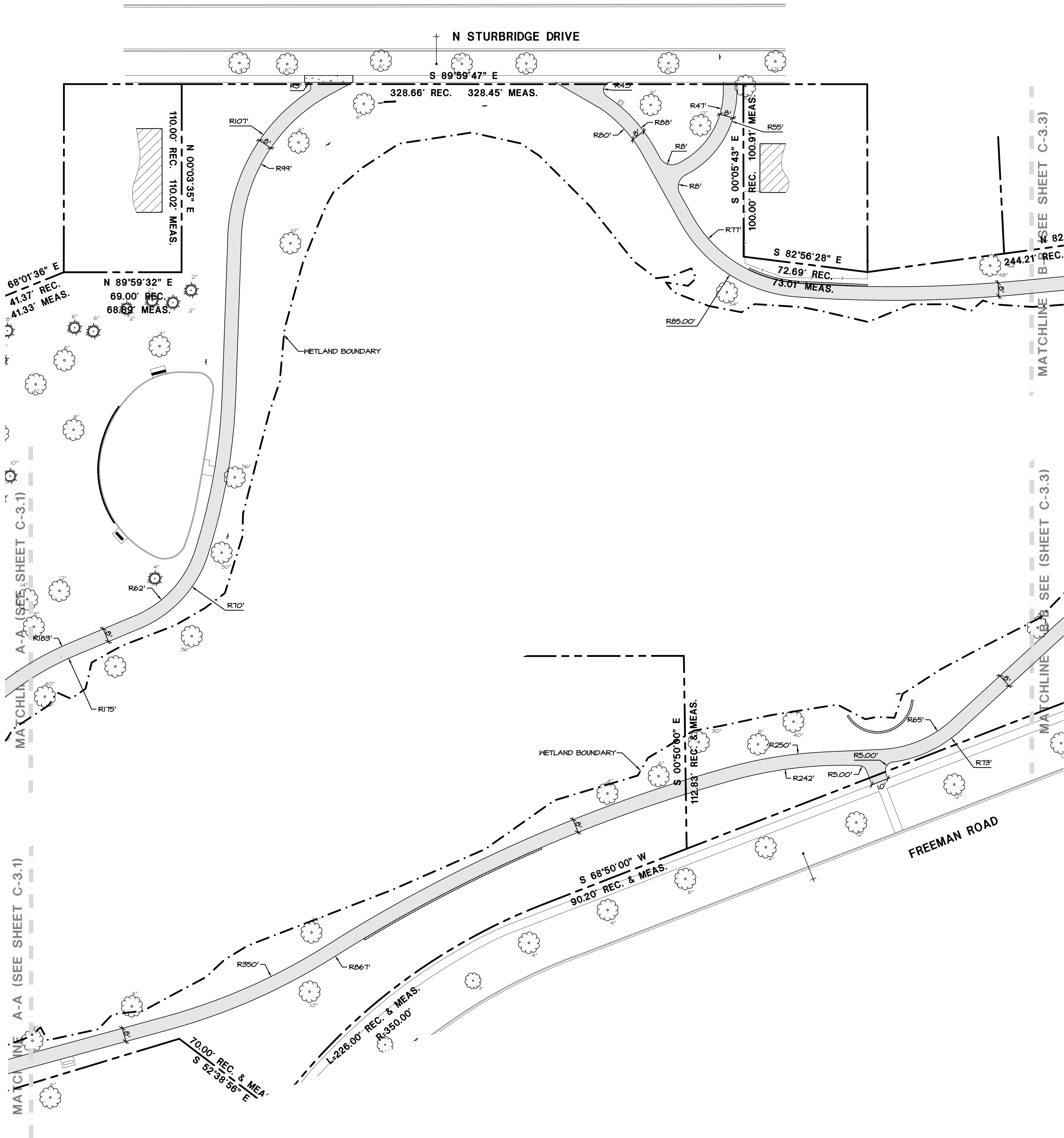
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CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA  
OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK

 $1'' = 30$ 



KEYMAP  
SCALE: N.T.S.



#### HATCH LEGEND

- NEW ASPHALT TRAIL  
2" HMA SURFACE COURSE  
8" CA-6 BASE COURSE
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#### SITE GEOMETRIC NOTES:

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- ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1095.02 OF THE IDOT STANDARD SPECIFICATIONS.
- SEE SHEET C-4.7 FOR TENNIS COURT AND PICKLEBALL COURT STRIPING PLAN.

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CONTRACTOR MUST LOCATE PRIVATE UTILITIES IN AREA OF CONSTRUCTION PRIOR TO PROCEEDING WITH WORK



1" = 30'  
00 15 30 60 120



73



## LEGEND

- ## LEGEND

## METRIC

- ## METRIC

**WARNING**



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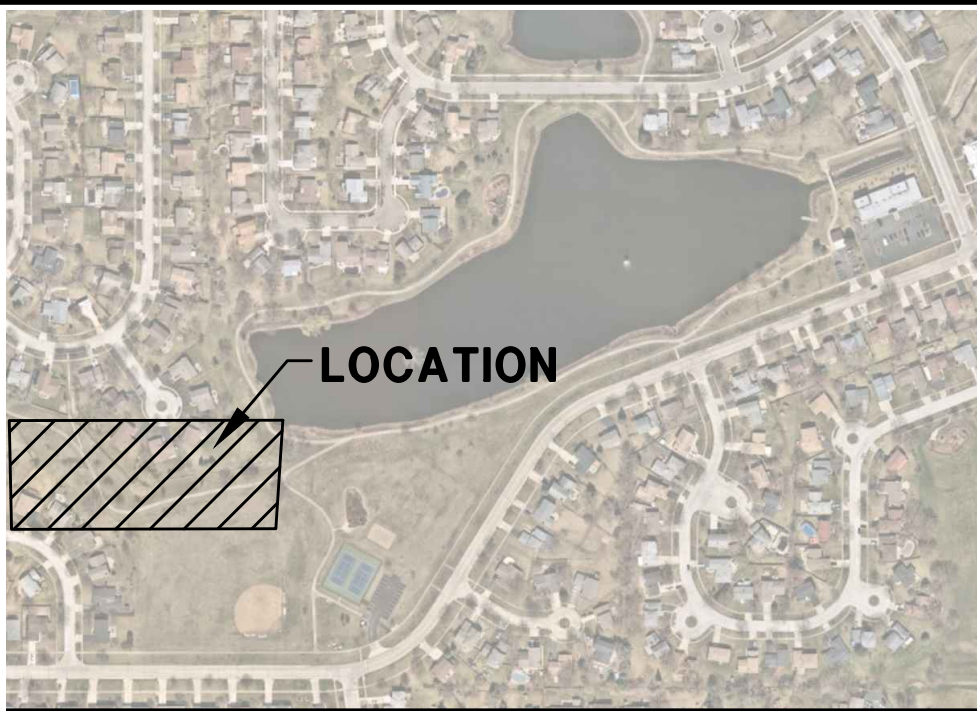
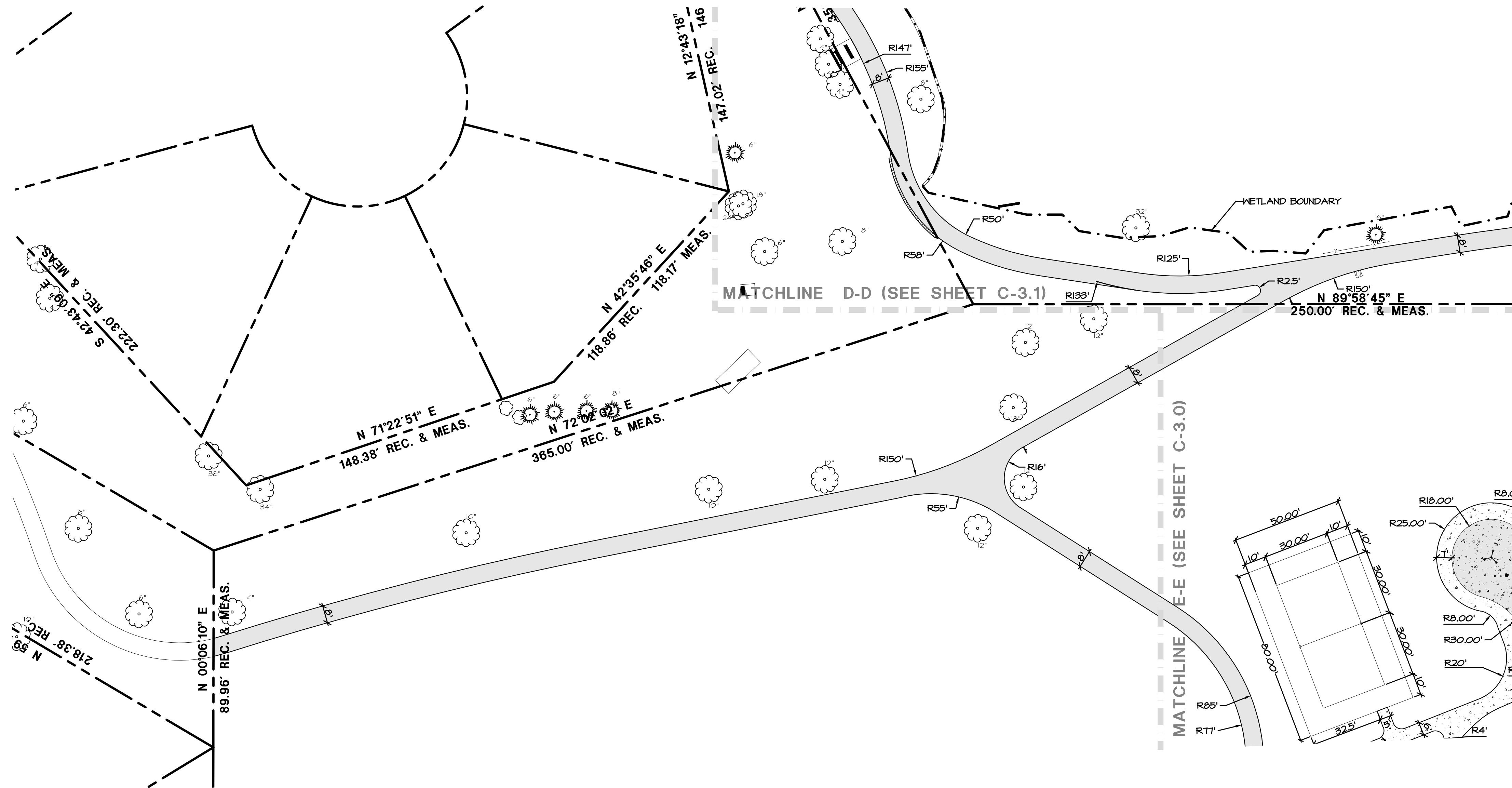
 $1'' = 30$ 

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KEYMAP  
SCALE: N.T.S.



HATCH LEGEND

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2" HMA SURFACE COURSE  
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SITE GEOMETRIC NOTES:

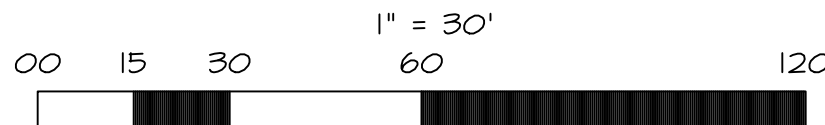
- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 8-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
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- CONTRACTOR SHALL CONTACT J.W.I.E. (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
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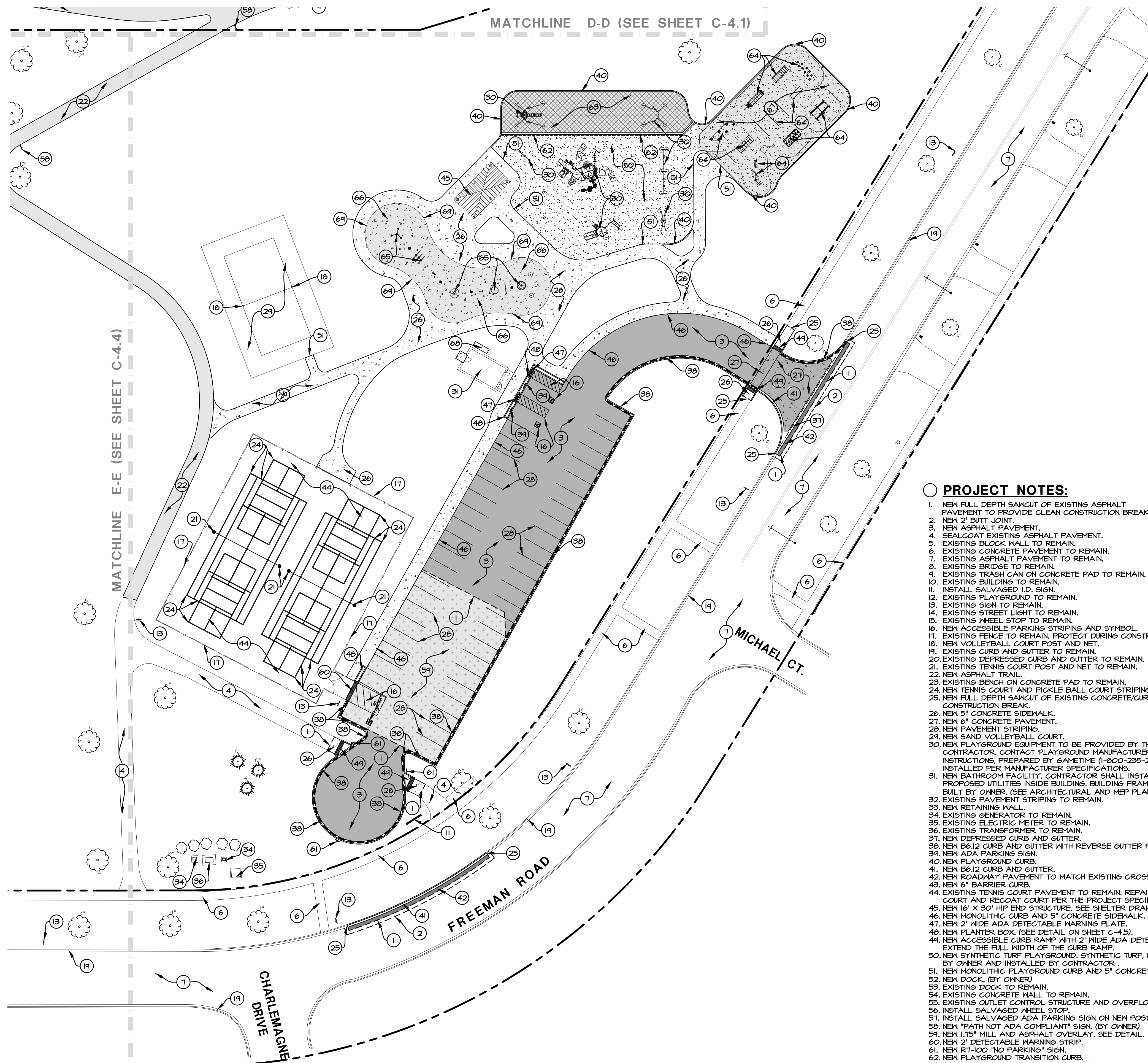
TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

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**C-3.4**  
SITE GEOMETRIC PLAN



KEYMAP  
SCALE: N.T.S.



#### SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND SURVEYING INC. ON 7-24-19.
- B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- C. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- D. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE PLANS.
- E. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- F. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- G. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- H. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
- I. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- J. CONTRACTOR SHALL RE-STRIPE ALL STRIPINGS DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING.
- K. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- L. ALL ITEMS MARKED "TO BE PROTECTED FROM CONSTRUCTION" SHALL BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

#### PROJECT NOTES:

1. NEW FULL DEPTH SAWCUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE CLEAN CONSTRUCTION BREAK.
2. NEW 2" BUTT JOINT.
3. NEW ASPHALT PAVEMENT.
4. SEALCOAT EXISTING ASPHALT PAVEMENT.
5. EXISTING BLOCK WALL TO REMAIN.
6. EXISTING CONCRETE PAVEMENT TO REMAIN.
7. EXISTING ASPHALT PAVEMENT TO REMAIN.
8. EXISTING BRIDGE TO REMAIN.
9. EXISTING TRASH CAN ON CONCRETE PAD TO REMAIN.
10. EXISTING BUILDING TO REMAIN.
11. INSTALL SALVAGED I.D. SIGN.
12. EXISTING PLAYGROUND TO REMAIN.
13. EXISTING SIGN TO REMAIN.
14. EXISTING STREET LIGHT TO REMAIN.
15. EXISTING WHEEL STOP TO REMAIN.
16. NEW ACCESSIBLE PARKING STRIPING AND SYMBOL.
17. EXISTING FENCE TO REMAIN, PROTECT DURING CONSTRUCTION.
18. NEW VOLLEYBALL COURT POST AND NET.
19. EXISTING CURB AND GUTTER TO REMAIN.
20. EXISTING DEPRESSED CURB AND GUTTER TO REMAIN.
21. EXISTING TENNIS COURT POST AND NET TO REMAIN.
22. NEW ASPHALT TRAIL.
23. EXISTING BENCH ON CONCRETE PAD TO REMAIN.
24. NEW TENNIS COURT AND PICKLE BALL COURT STRIPING. SEE SHEET C-4.1 FOR LAYOUT.
25. NEW FULL DEPTH SAWCUT OF EXISTING CONCRETE/CURB TO PROVIDE CLEAN CONSTRUCTION BREAK.
26. NEW 5" CONCRETE SIDEWALK.
27. NEW 6" CONCRETE PAVEMENT.
28. NEW PAVEMENT STRIPING.
29. NEW SAND VOLLEYBALL COURT.
30. NEW PLAYGROUND EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. CONTACT PLAYGROUND MANUFACTURER FOR PLANS AND INSTALLATION INSTRUCTIONS, PREPARED BY GAMETIME (1-800-235-2440). PLAYGROUND SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
31. NEW BATHROOM FACILITY. CONTRACTOR SHALL INSTALL FOUNDATIONS AND SUB PROPOSED UTILITIES INSIDE BUILDING, BUILDING FRAME AND INTERIOR FIXTURES TO BE BUILT BY OWNER. (SEE ARCHITECTURAL AND MEP PLANS FOR DETAILS).
32. EXISTING PAVEMENT STRIPING TO REMAIN.
33. NEW RETAINING WALL.
34. EXISTING GENERATOR TO REMAIN.
35. EXISTING ELECTRIC METER TO REMAIN.
36. EXISTING TRANSFORMER TO REMAIN.
37. NEW DEPRESSED CURB AND GUTTER.
38. NEW B612 CURB AND GUTTER WITH REVERSE GUTTER PITCH.
39. NEW 6" BARRIER CURB.
40. NEW PLAYGROUND CURB.
41. NEW B612 CURB AND GUTTER.
42. NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION.
43. NEW 6" BARRIER CURB.
44. EXISTING TENNIS COURT PAVEMENT TO REMAIN. REPAIR CRACKS WITHIN THE ASPHALT COURT AND RECOAT COURT PER THE PROJECT SPECIFICATIONS.
45. NEW 16' X 30' HIP END STRUCTURE. SEE SHELTER DRAWINGS FOR DETAILS.
46. NEW MONOLITHIC CURB AND 5" CONCRETE SIDEWALK.
47. NEW 2' WIDE ADA DETECTABLE WARNING PLATE.
48. NEW PLANTER BOX. (SEE DETAIL ON SHEET C-4.5).
49. NEW ACCESSIBLE CURB RAMP WITH 2' WIDE ADA DETECTABLE WARNING PLATE TO EXTEND THE FULL WIDTH OF THE CURB RAMP.
50. NEW SYNTHETIC TURF PLAYGROUND. SYNTHETIC TURF, PAD AND INFILL TO BE SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
51. NEW MONOLITHIC PLAYGROUND CURB AND 5" CONCRETE SIDEWALK.
52. NEW DOCK. (BY OWNER)
53. EXISTING DOCK TO REMAIN.
54. EXISTING CONCRETE WALL TO REMAIN.
55. EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR TO REMAIN.
56. INSTALL SALVAGED ADA PARKING SIGN ON NEW POST.
57. NEW "PATH NOT ADA COMPLIANT" SIGN. (BY OWNER)
58. NEW 1.75" MILL AND ASPHALT OVERLAY. SEE DETAIL.
59. NEW 2' DETECTABLE WARNING STRIP.
60. NEW RT-100 "NO PARKING" SIGN.
61. NEW PLAYGROUND TRANSITION CURB.
62. NEW WOOD MULCH PLAYGROUND AREA.
63. NEW FITNESS EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE FITNESS COURSE PLANS, PREPARED BY BCI BURKE COMPANY, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
64. NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING WITHIN THE BUILDING AND PAD (SEE DETAIL).
65. NEW CONCRETE SPLASH PAD. PROVIDE EXPANSION JOINTS BETWEEN WALKS. CONTRACTOR SHALL PROVIDE EXPANSION JOINT LAYOUT FOR ENGINEER REVIEW.
66. NEW SYNTHETIC TURF FITNESS AREA, PERFECT TURF MAT, PAD, AND RUBBER INFILL TO BE PROVIDED BY OWNER.
67. NEW WINTERIZING PIT FOR WINTER SHUT DOWN. WALLS OF THE PIT SHALL BE 5" THICK CONCRETE. PROVIDE WATER TIGHT ACCESS GATE. BOTTOM OF THE PIT SHALL BE SET TO PROVIDE SUFFICIENT SLOPE FOR PIPING.
68. EXPANSION JOINT WITH WATER STOP.

#### HATCH LEGEND

- NEW ASPHALT TRAIL  
2" HMA SURFACE COURSE  
8" CA-6 BASE COURSE
- NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
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1-3/4" HMA SURFACE COURSE  
2-1/4" HMA BINDER COURSE  
10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY  
SEE DETAIL
- NEW ENGINEERED WOOD FIBER
- NEW SYNTHETIC TURF FITNESS AREA
- NEW CONCRETE SPLASH PAD



1" = 30'  
00 15 30 60 120

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SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
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#### ISSUE

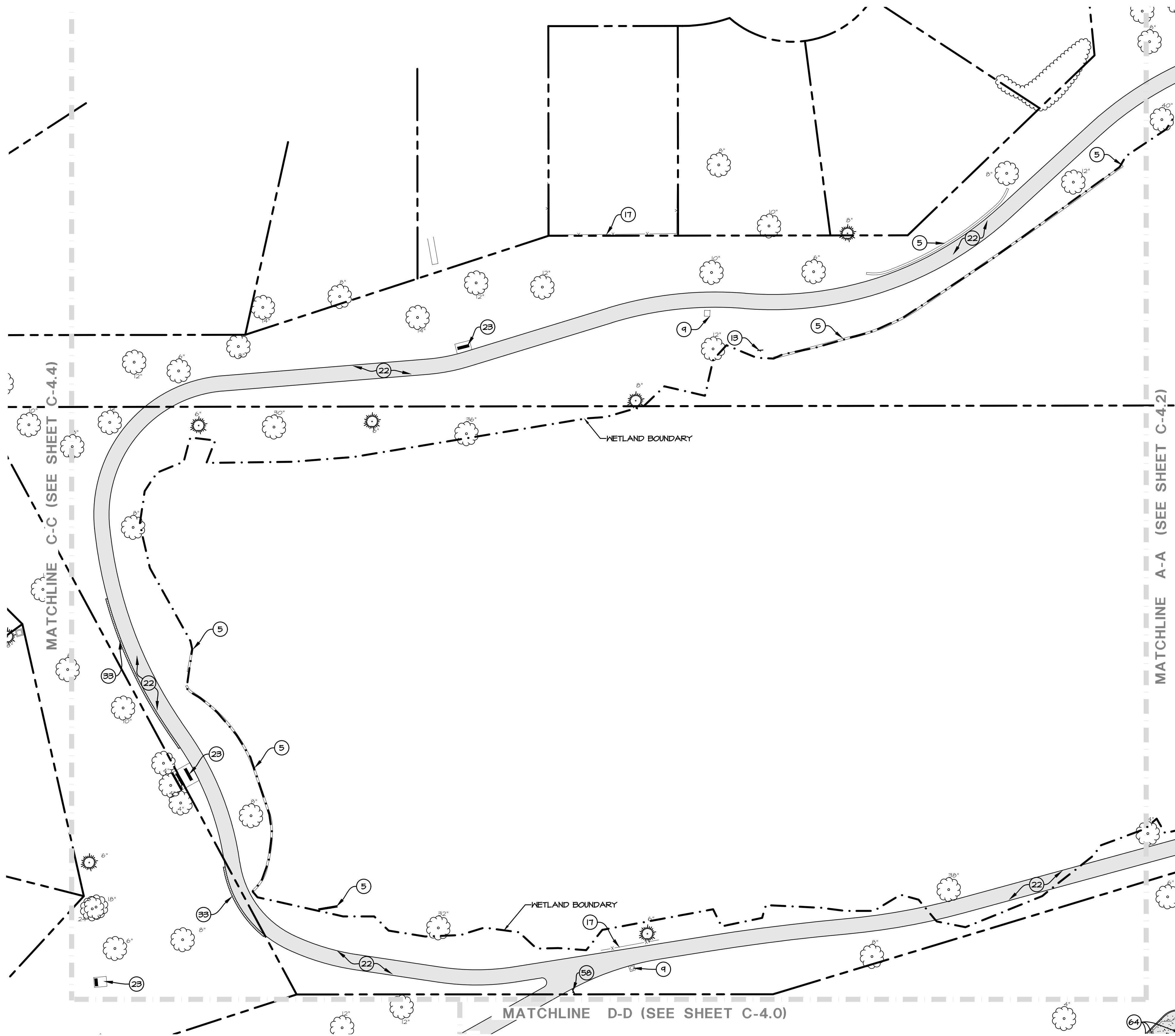
TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

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**C-4.0**  
SITE DEVELOPMENT PLAN

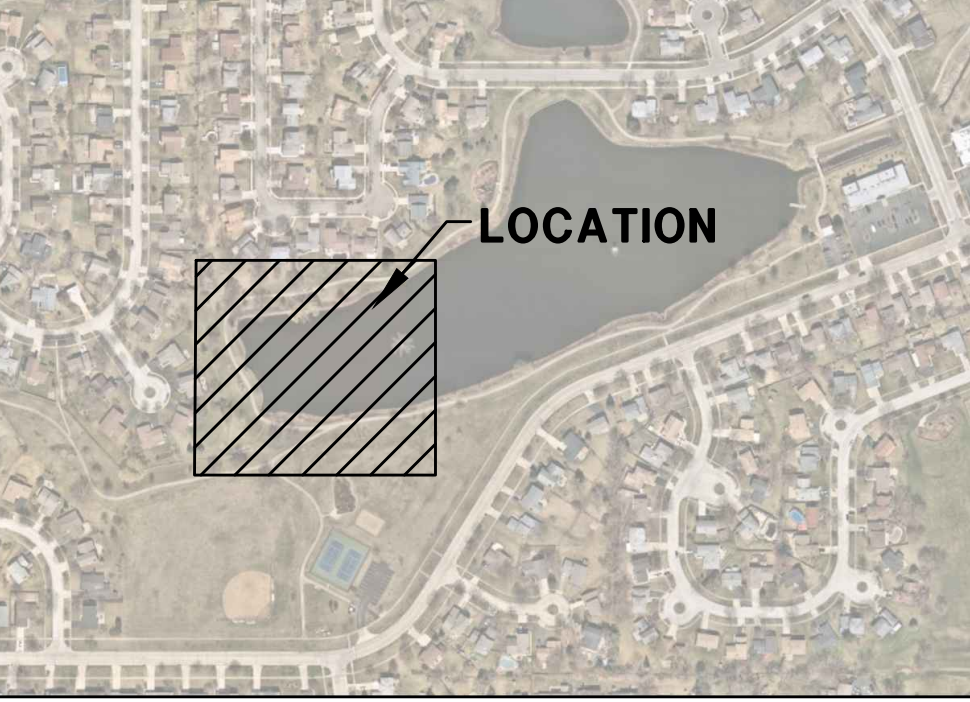


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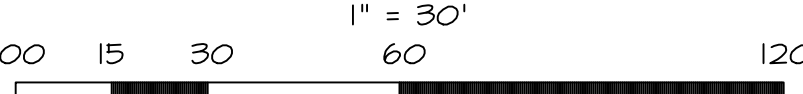
KEYMAP

SCALE: N.T.S.



SITE DEVELOPMENT NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND SURVEYING INC. ON 7-24-19.
- B. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- C. SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- D. CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE PLANS.
- E. CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- F. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- G. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- H. ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- I. CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
- J. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- K. CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING.
- L. CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- M. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- N. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.



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SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

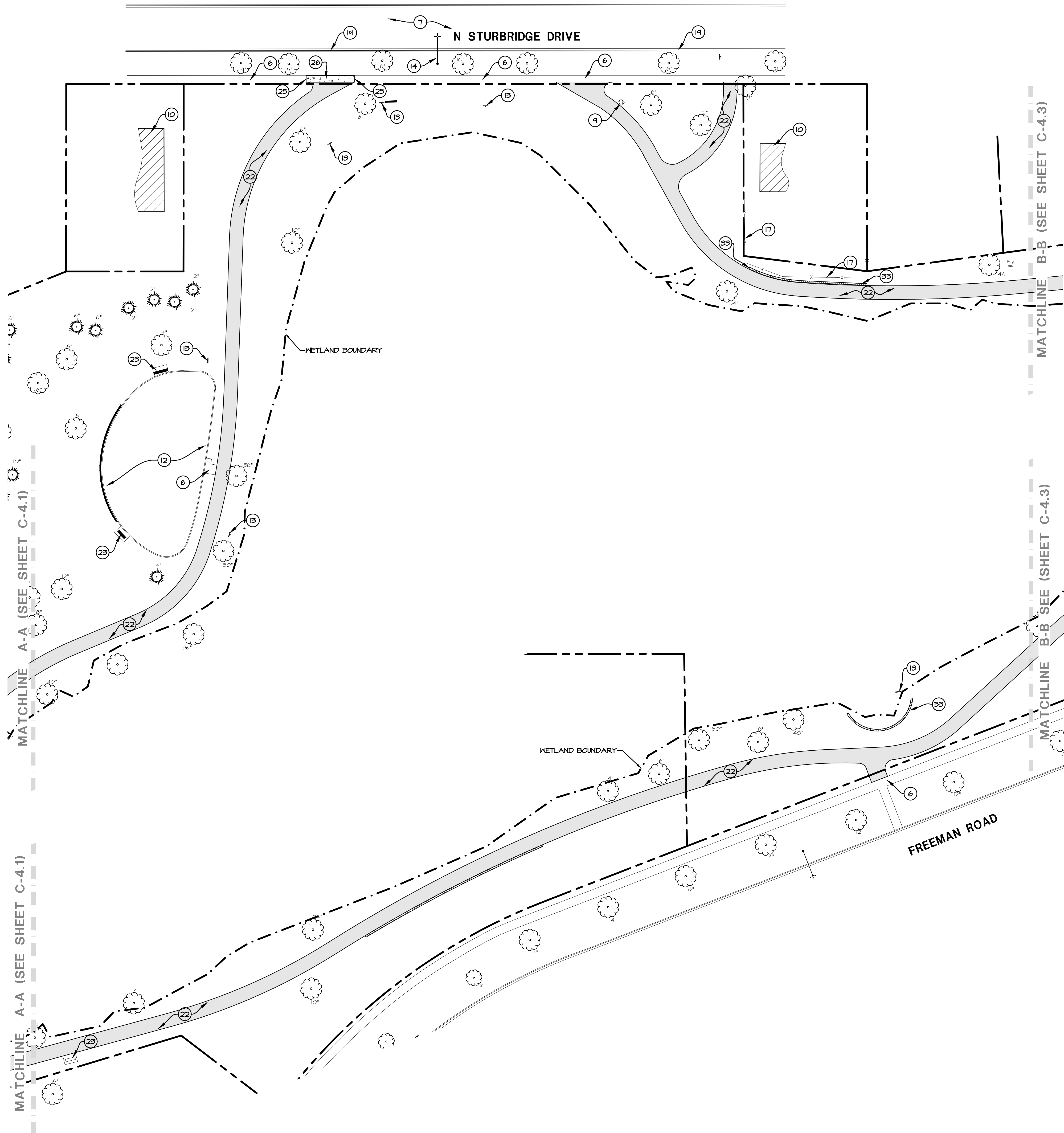
**heparks**  
making life fun

ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

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**C-4.1**  
SITE DEVELOPMENT PLAN

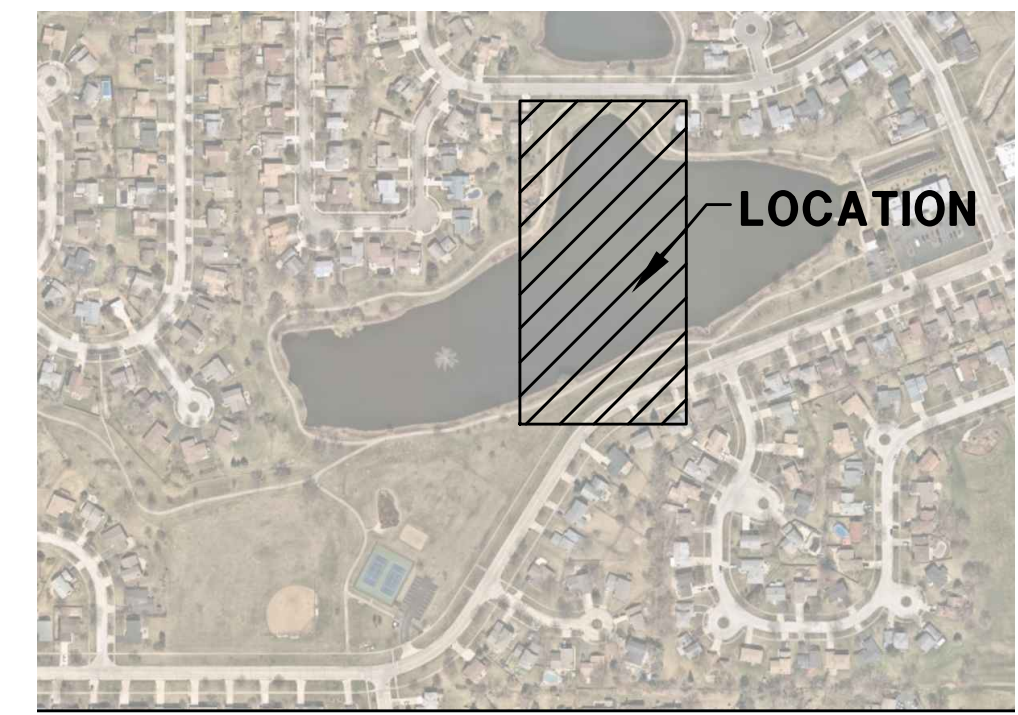


### HATCH LEGEND

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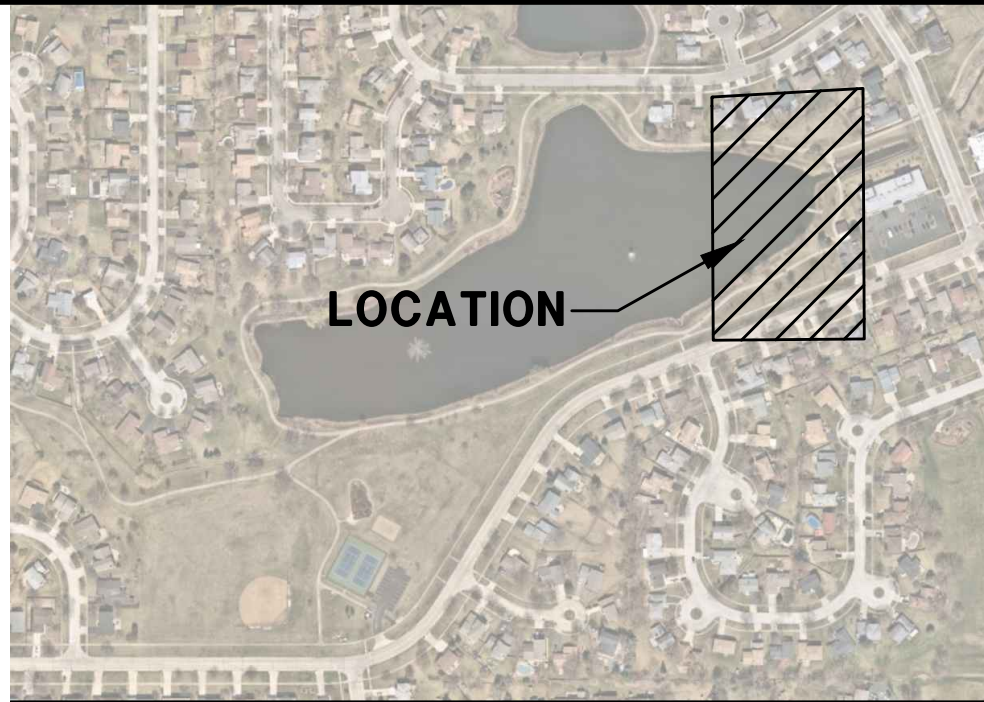
SCALE: N.T.S.



### SITE DEVELOPMENT NOTES:

- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004 PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND SURVEYING INC. ON 1-24-19.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE ARCHITECTURAL PLANS.
- SEE THE ARCHITECTURAL PLANS FOR THE DESIGN OF ALL BUILDING ENTRIES.
- CONTRACTOR SHALL COORDINATE ALL LANDSCAPING IMPROVEMENTS WITH LANDSCAPE PLANS.
- CONSTRUCTION SURVEY AND STAKEOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- ASPHALT PAVEMENT MARKINGS SHALL BE MADE WITH HIGH QUALITY PAINT CONFORMING TO ARTICLE 1045.02 OF THE IDOT STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED GREEN SPACES WITH 6" OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET.
- CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR SHALL RE-STRIPE ALL STRIPING DISTURBED WITHIN THE EXISTING ROADWAYS/PARKING LOT TO MATCH EXISTING.
- CONTRACTOR SHALL HIRE A PRIVATE UTILITY LOCATOR TO LOCATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL CONTACT THE SITE ENGINEER IF A CONFLICT EXISTS.
- ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED. AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

1" = 30'  
00 15 30 60 120



**KEYMAP**  
SCALE: N.T.S.





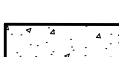
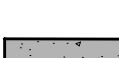

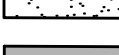


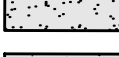
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- A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY HT LAND SURVEYING INC. ON 7-24-19.
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- M. ALL ITEMS MARKED "EXISTING" TO BE PROTECTED FROM DAMAGE FOR THE DURATION OF CONSTRUCTION.
- N. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER, SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

**PROJECT NOTES:**

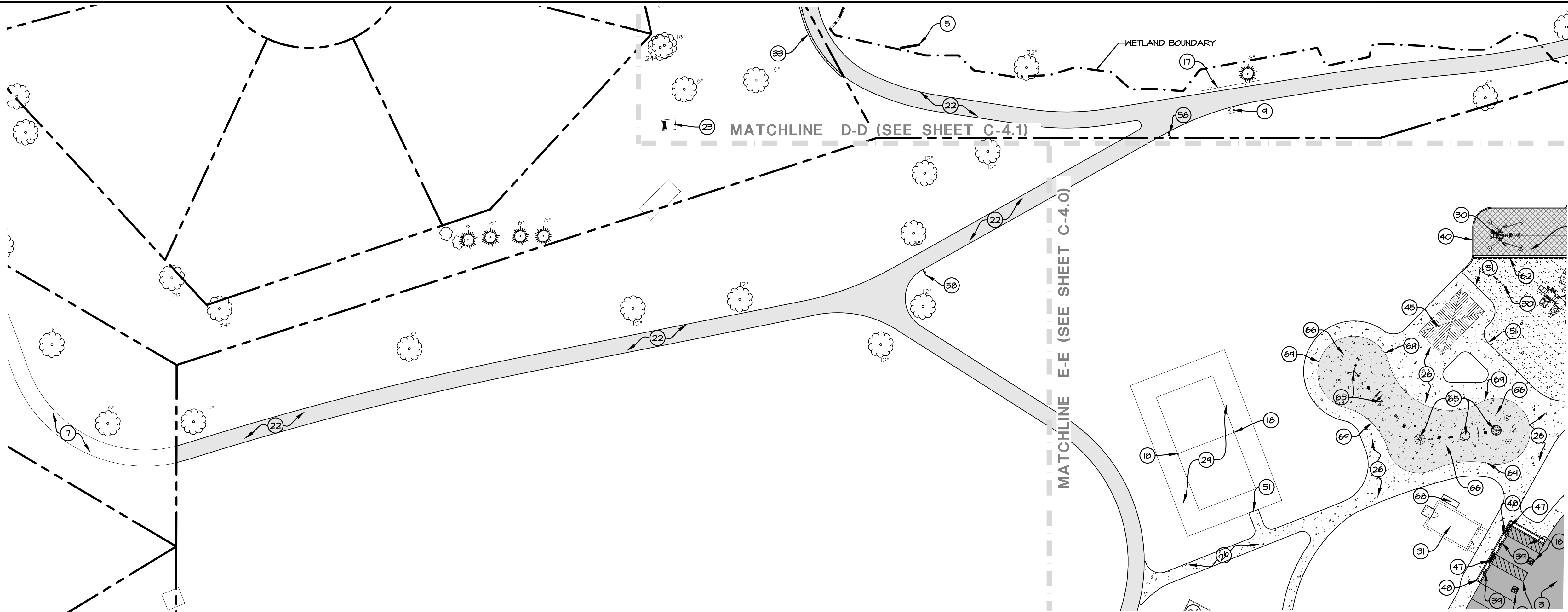
1. NEW FULL DEPTH SAWCUT OF EXISTING ASPHALT PAVEMENT TO PROVIDE CLEAN CONSTRUCTION BREAK.
2. NEW 2" BUTT JOINT.
3. NEW ASPHALT PAVEMENT.
4. SEALCOAT EXISTING ASPHALT PAVEMENT.
5. EXISTING BLOCK WALL TO REMAIN.
6. EXISTING CONCRETE PAVEMENT TO REMAIN.
7. EXISTING ASPHALT PAVEMENT TO REMAIN.
8. EXISTING BRIDGE TO REMAIN.
9. EXISTING TRASH CAN ON CONCRETE PAD TO REMAIN.
10. EXISTING BUILDING TO REMAIN.
11. INSTALL SALVAGED I.D. SIGN.
12. EXISTING PLAYGROUND TO REMAIN.
13. EXISTING SIGN TO REMAIN.
14. EXISTING STREET LIGHT TO REMAIN.
15. EXISTING WHEEL STOP TO REMAIN.
16. NEW ACCESSIBLE PARKING STRIPING AND SYMBOL.
17. EXISTING FENCE TO REMAIN. PROTECT DURING CONSTRUCTION.
18. NEW VOLLEYBALL COURT POST AND NET.
19. EXISTING CURB AND GUTTER TO REMAIN.
20. EXISTING DEPRESSED CURB AND GUTTER TO REMAIN.
21. EXISTING TENNIS COURT POST AND NET TO REMAIN.
22. NEW ASPHALT TRAIL.
23. EXISTING BENCH ON CONCRETE PAD TO REMAIN.
24. NEW TENNIS COURT AND PICKLE BALL COURT STRIPING. SEE SHEET C-4.1 FOR LAYOUT.
25. NEW FULL DEPTH SAWCUT OF EXISTING CONCRETE/CURB TO PROVIDE CLEAN CONSTRUCTION BREAK.
26. NEW 5" CONCRETE SIDEWALK.
27. NEW 6" CONCRETE PAVEMENT.
28. NEW PAVEMENT STRIPING.
29. NEW SAND VOLLEYBALL COURT.
30. NEW PLAYGROUND EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. CONTACT PLAYGROUND MANUFACTURER FOR PLANS AND INSTALLATION INSTRUCTIONS, PREPARED BY GAMEFIRE (1-800-235-2440). PLAYGROUND SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
31. NEW BATHROOM FACILITY. CONTRACTOR SHALL INSTALL FOUNDATIONS AND SUB PROPOSED UTILITIES INSIDE BUILDING. BUILDING FRAME AND INTERIOR FIXTURES TO BE BUILT BY OWNER. (SEE ARCHITECTURAL AND MEP PLANS FOR DETAILS).
32. EXISTING PAVEMENT STRIPING TO REMAIN.
33. NEW RETAINING WALL.
34. EXISTING GENERATOR TO REMAIN.
35. EXISTING ELECTRIC METER TO REMAIN.
36. EXISTING TRANSFORMER TO REMAIN.
37. NEW DEPRESSED CURB AND GUTTER.
38. NEW 6" CURB AND GUTTER WITH REVERSE GUTTER PITCH.
39. NEW ADA PARKING SIGN.
40. NEW PLAYGROUND CURB.
41. NEW 6" CURB AND GUTTER.
42. NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION.
43. NEW 6" BARRIER CURB.
44. EXISTING TENNIS COURT PAVEMENT TO REMAIN. REPAIR CRACKS WITHIN THE ASPHALT COURT AND RECOAT COURT PER THE PROJECT SPECIFICATIONS.
45. NEW 16' X 30' HIP END STRUCTURE. SEE SHELTER DRAWINGS FOR DETAILS.
46. NEW MONOLITHIC CURB AND 5" CONCRETE SIDEWALK.
47. NEW 2" WIDE ADA DETECTABLE WARNING PLATE.
48. NEW PLANTER BOX. (SEE DETAIL ON SHEET C-4.5).
49. NEW ACCESSIBLE CURB RAMP WITH 2" WIDE ADA DETECTABLE WARNING PLATE TO EXTEND THE FULL WIDTH OF THE CURB RAMP.
50. NEW SYNTHETIC TURF PLAYGROUND. SYNTHETIC TURF, PAD AND INFILL TO BE SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.
51. NEW MONOLITHIC PLAYGROUND CURB AND 5" CONCRETE SIDEWALK.
52. NEW DOCK. (BY OWNER).
53. EXISTING DOCK TO REMAIN.
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55. EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR TO REMAIN.
56. INSTALL SALVAGED WHEEL STOP.
57. INSTALL SALVAGED ADA PARKING SIGN ON NEW POST.
58. NEW "PATH NOT ADA COMPLIANT" SIGN. (BY OWNER).
59. NEW 1.75" MILL AND ASPHALT OVERLAY. SEE DETAIL.
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63. NEW "WOOD MULCH PLAYGROUND AREA."
64. NEW FITNESS EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE FITNESS COURSE PLANS, PREPARED BY BCI BURKE COMPANY, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
65. NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING WITHIN THE BUILDING AND PAD (SEE DETAIL).
66. NEW CONCRETE SPLASH PAD. PROVIDE EXPANSION JOINTS BETWEEN WALKS. CONTRACTOR SHALL PROVIDE EXPANSION JOINT LAYOUT FOR ENGINEER REVIEW.
67. NEW SYNTHETIC TURF FITNESS AREA. PERFECT TURF MAT, PAD, AND RUBBER INFILL TO BE PROVIDED BY OWNER.
68. NEW WINTERIZING PIT FOR WINTER SHUT DOWN. WALLS OF THE PIT SHALL BE 5" THICK CONCRETE. PROVIDE WATER TIGHT ACCESS GATE. BOTTOM OF THE PIT SHALL BE SET TO PROVIDE SUFFICIENT SLOPE FOR PIPING.
69. EXPANSION JOINT WITH WATER STOP.

**HATCH LEGEND**

	NEW ASPHALT TRAIL 2" HMA SURFACE COURSE 8" CA-6 BASE COURSE
	NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
	NEW 5' CONCRETE SIDEWALK 5" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW 6' CONCRETE PAVEMENT 6" PORTLAND CEMENT CONCRETE 4" CA-6 BASE COURSE
	NEW SYNTHETIC TURF PLAYGROUND
	NEW ASPHALT PAVEMENT 1-3/4" HMA SURFACE COURSE 2-1/4" HMA BINDER COURSE 10" CA-6 BASE COURSE
	NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
	NEW ENGINEERED WOOD FIBER
	NEW SYNTHETIC TURF FITNESS AREA
	NEW CONCRETE SPLASH PAD



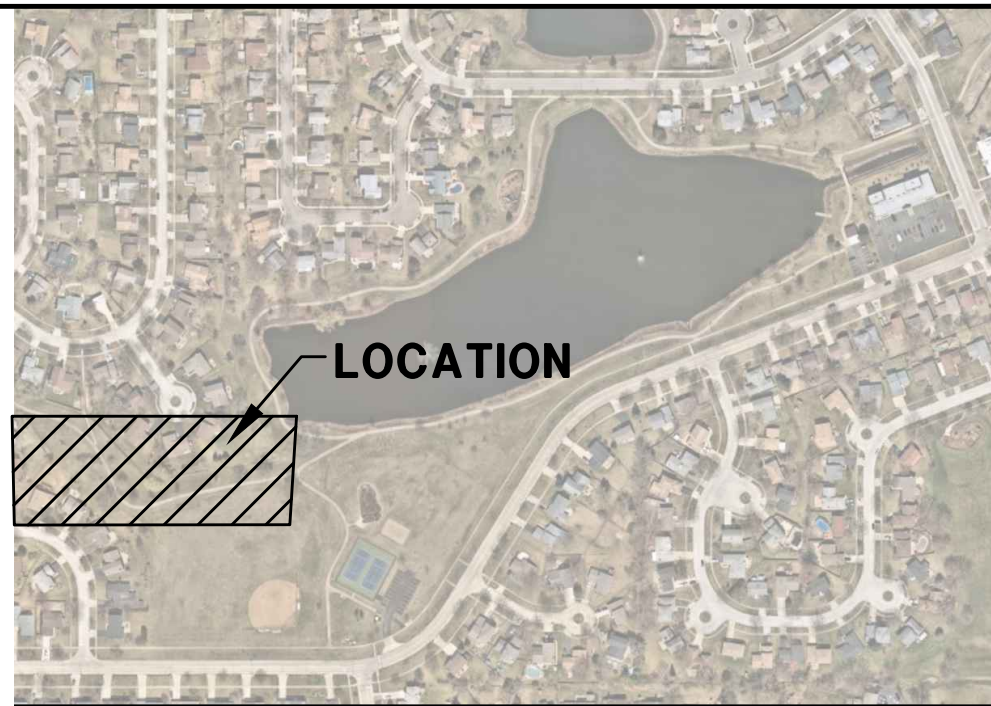
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00 15 30 60 120



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**KEYMAP**  
SCALE: N.T.S.



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**HATCH LEGEND**

- |  |  |
|--|--|
|  | NEW ASPHALT TRAIL                                    |
|  |  |
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|  |  |
|  |  |
|  | NEW SYNTHETIC TURF PLAYGROUND                        |
|  | NEW ASPHALT PAVEMENT                                 |
|  |  |
|  | NEW ENGINEERED WOOD FIBER                            |
|  | NEW SYNTHETIC TURF FITNESS AREA                      |
|  | NEW CONCRETE SPLASH PAD                              |



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00 15 30 60 120

**WT GROUP**  
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SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

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**ISSUE**

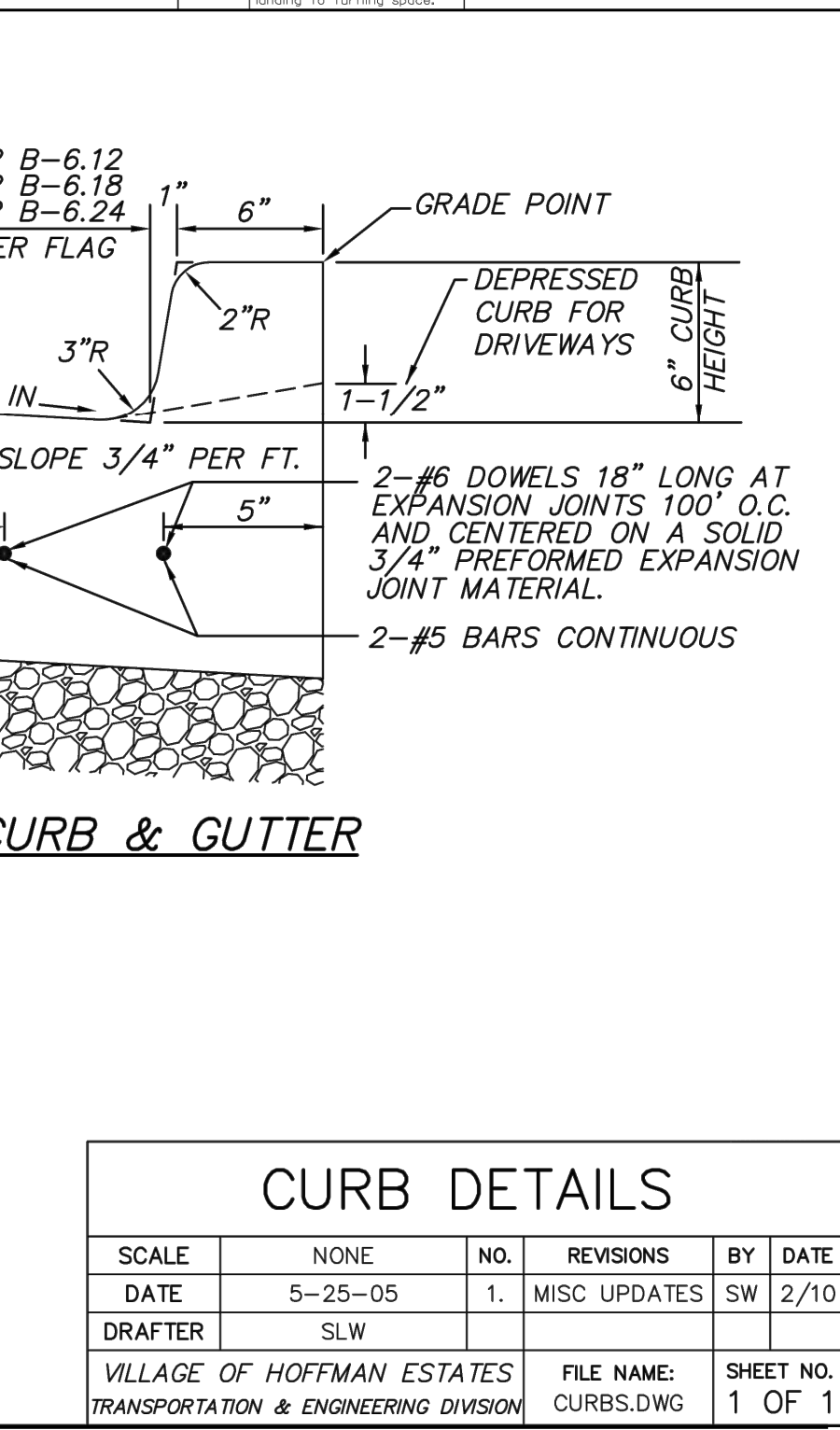
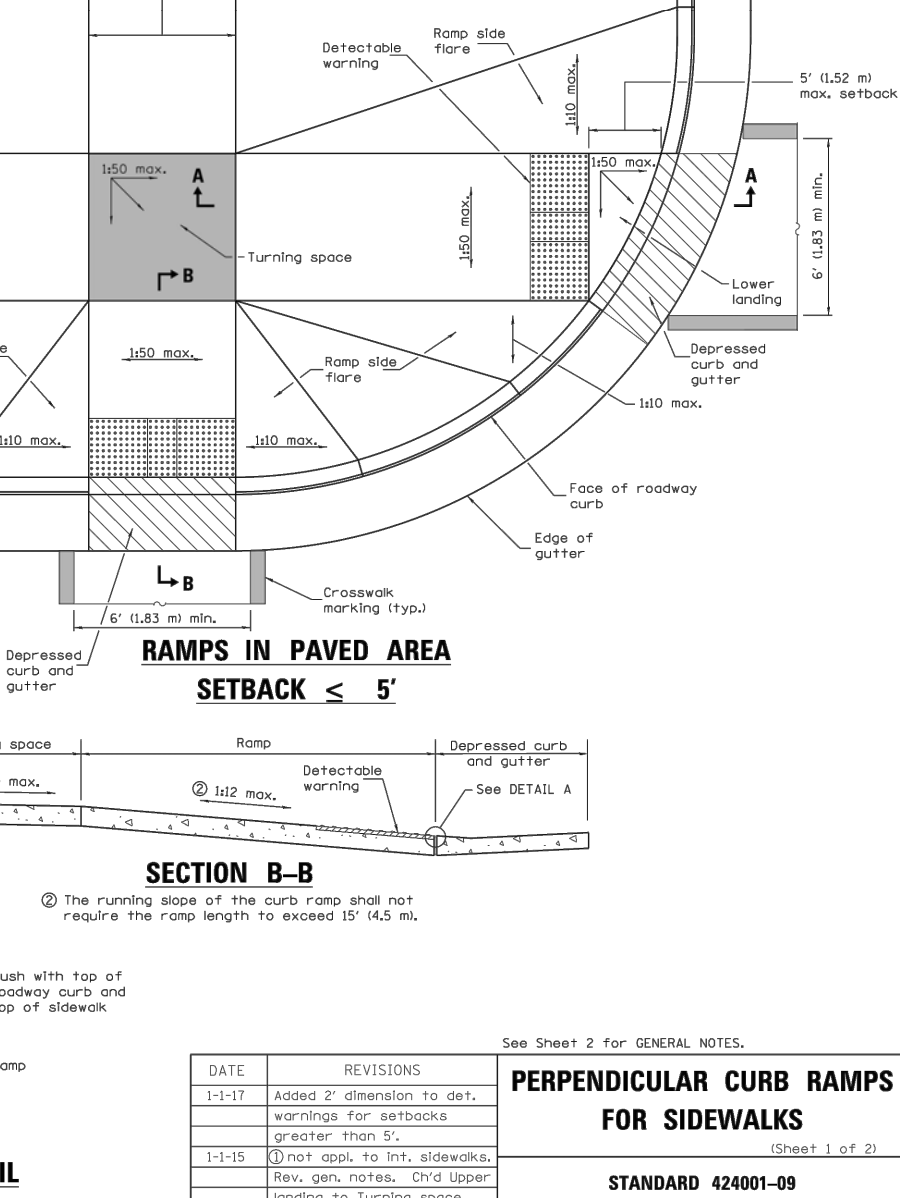
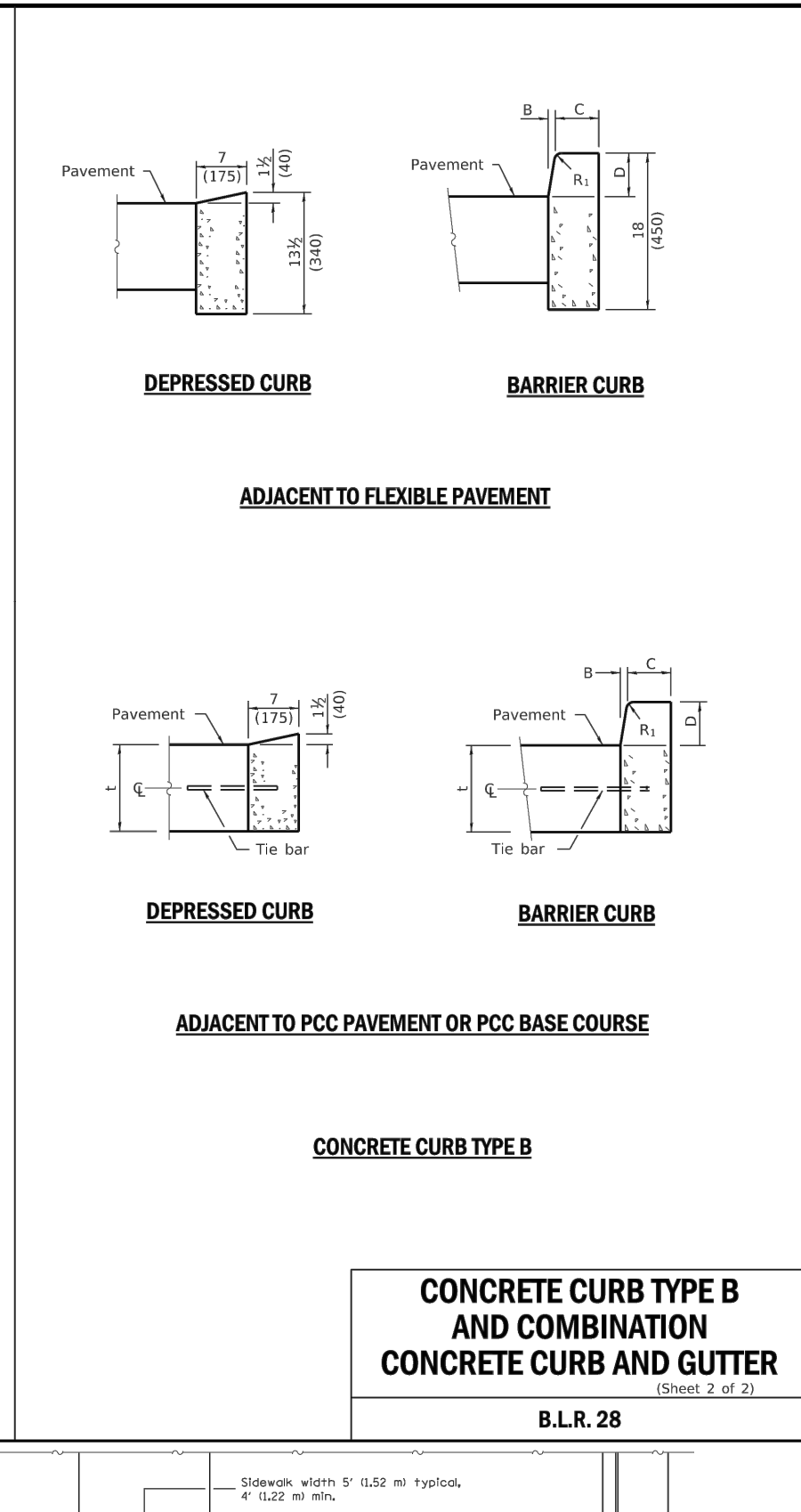
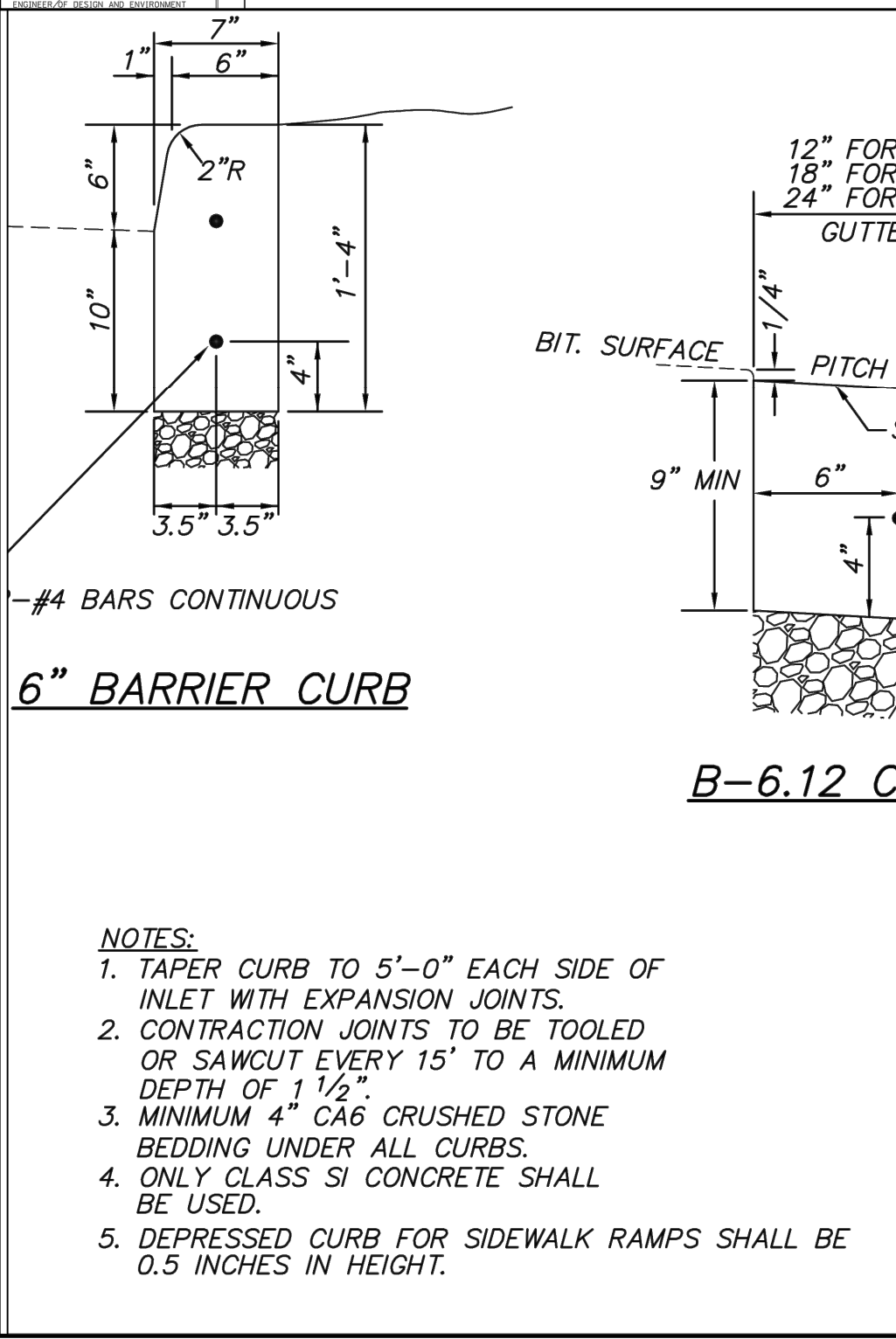
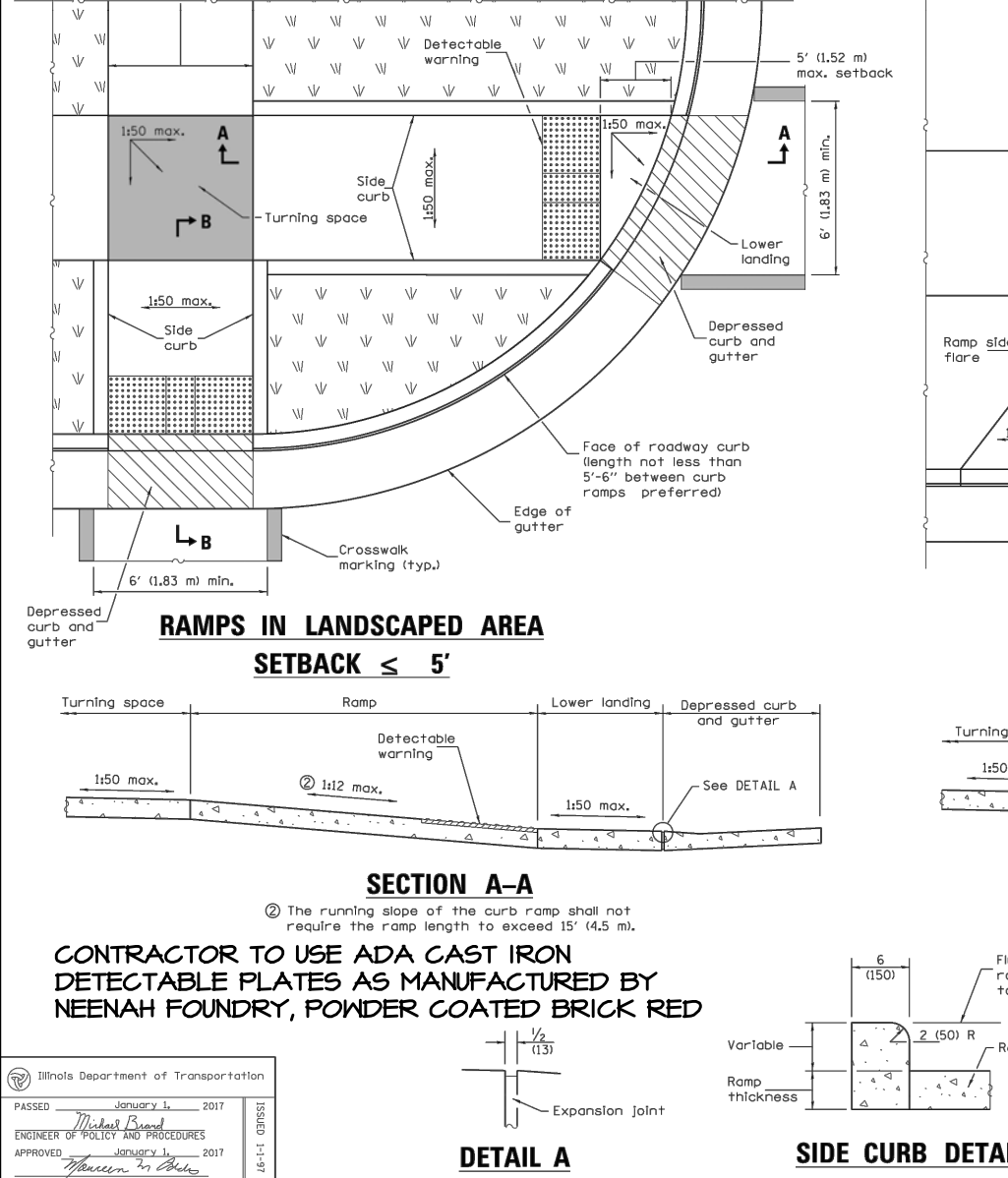
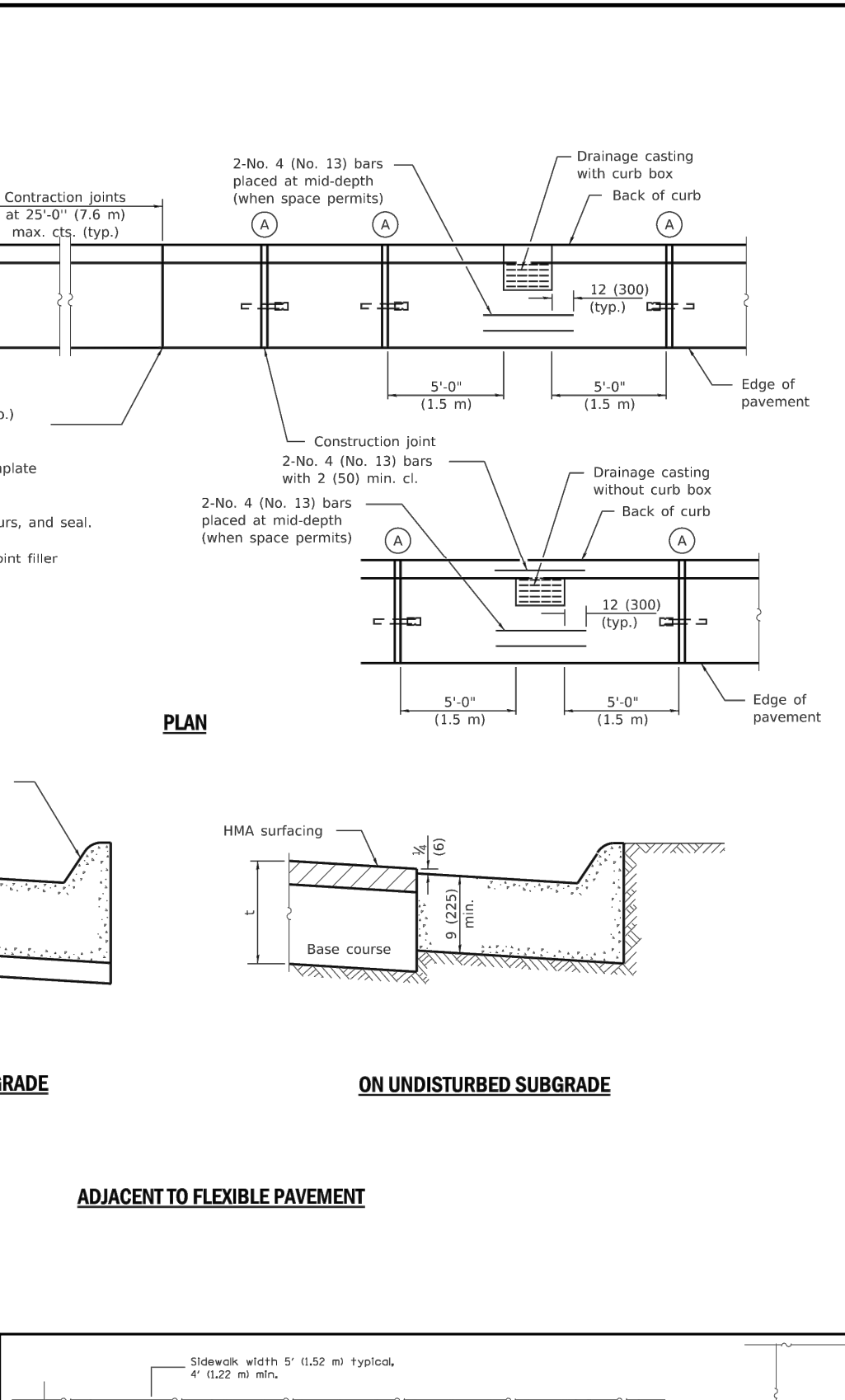
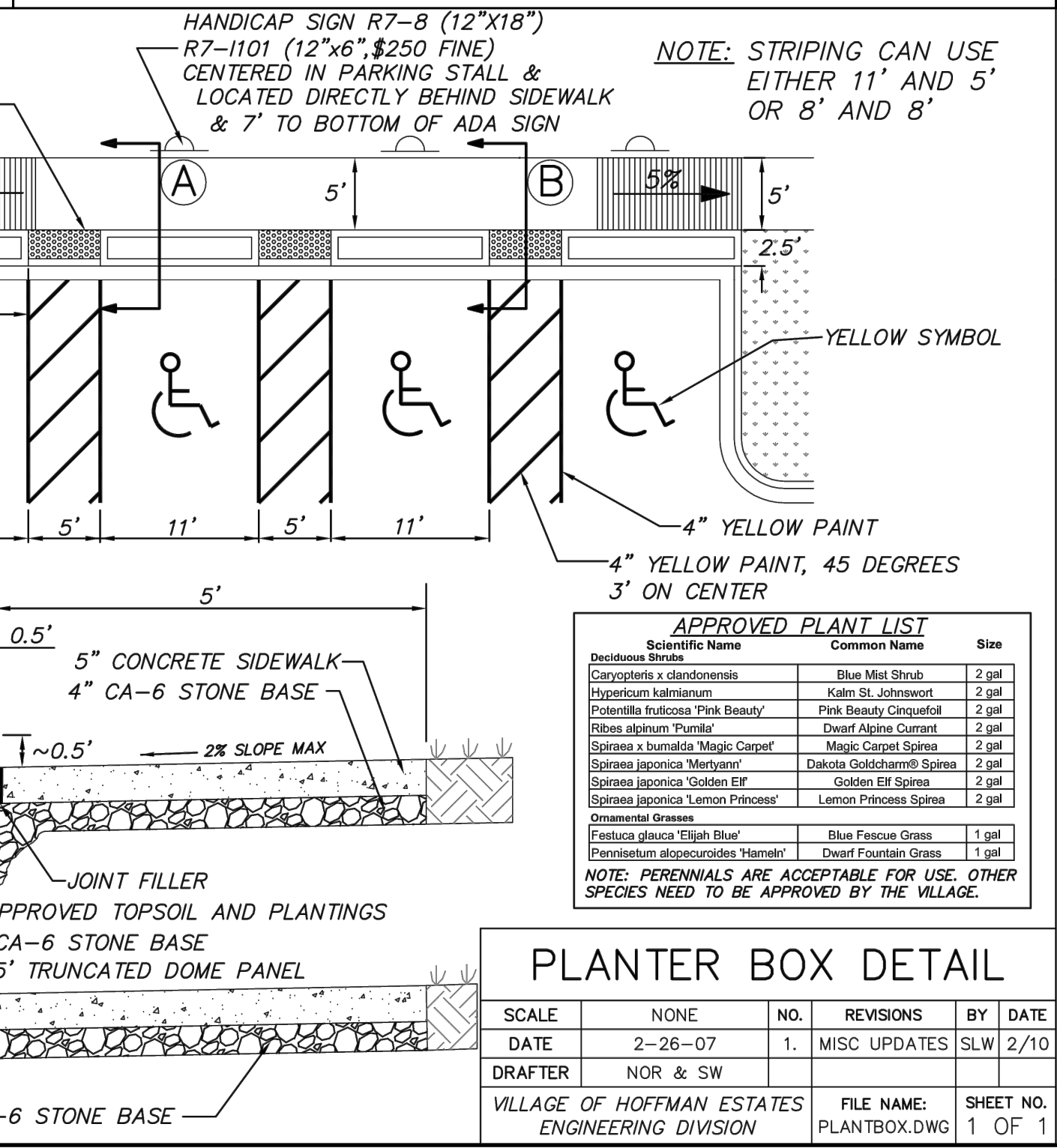
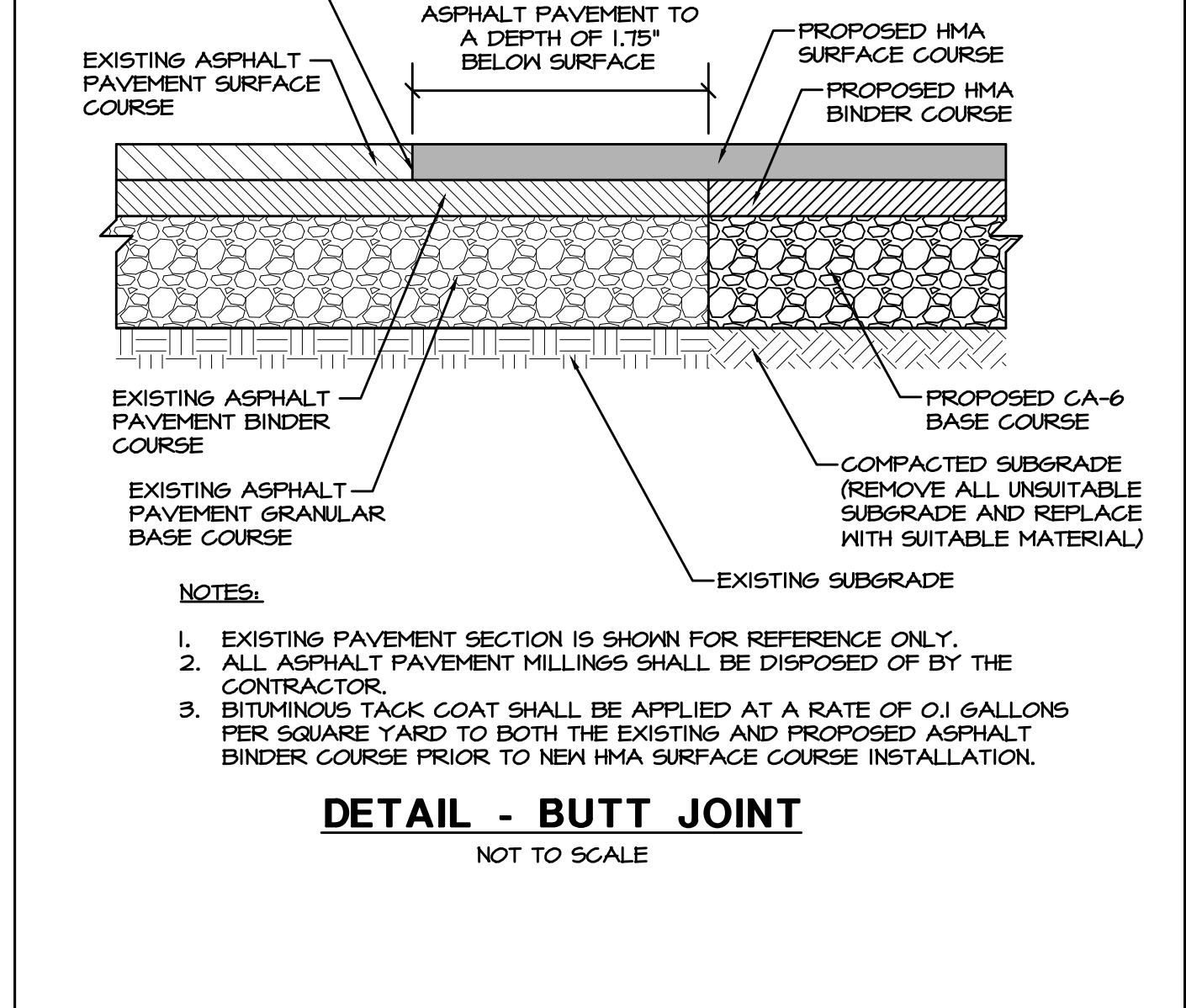
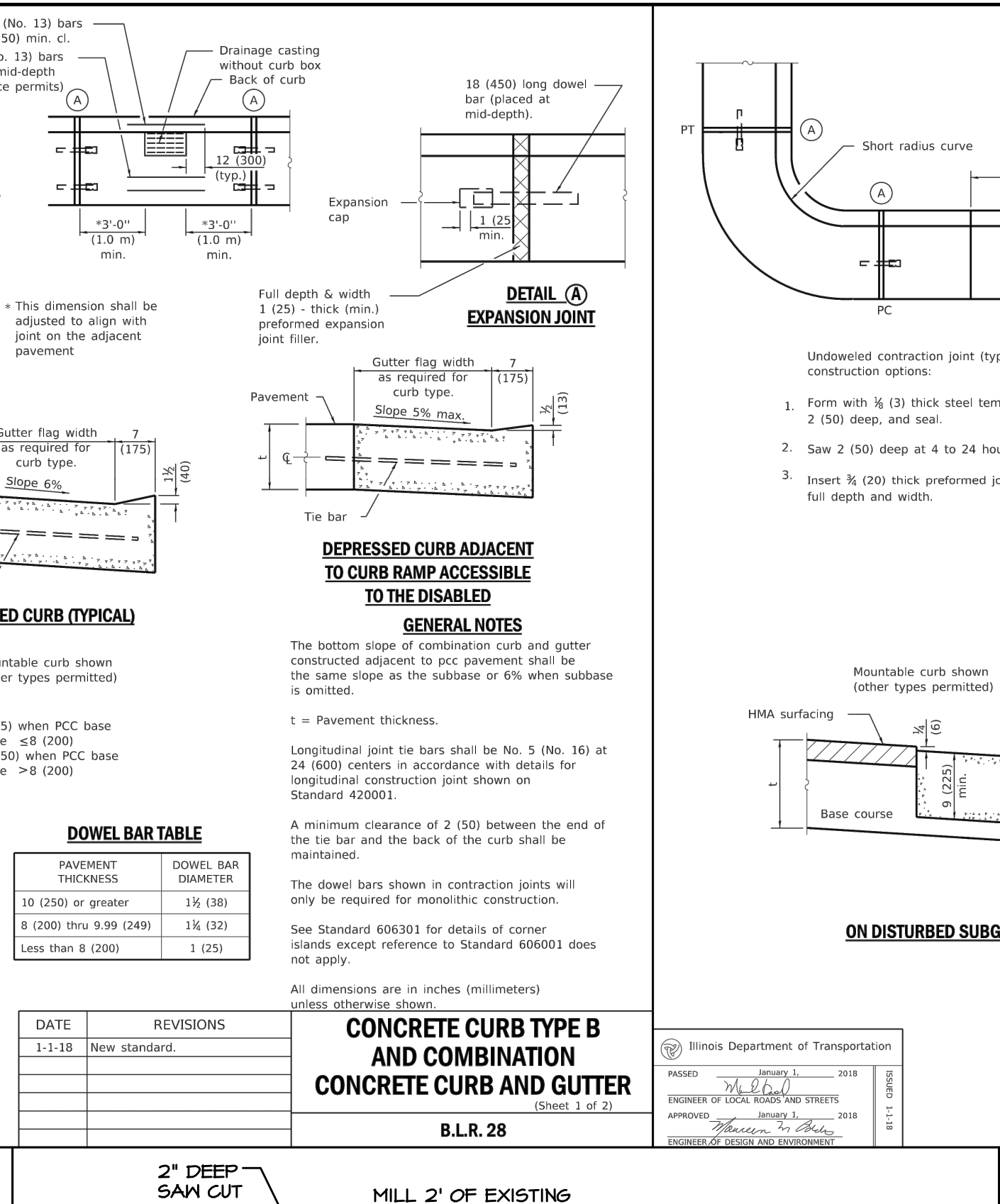
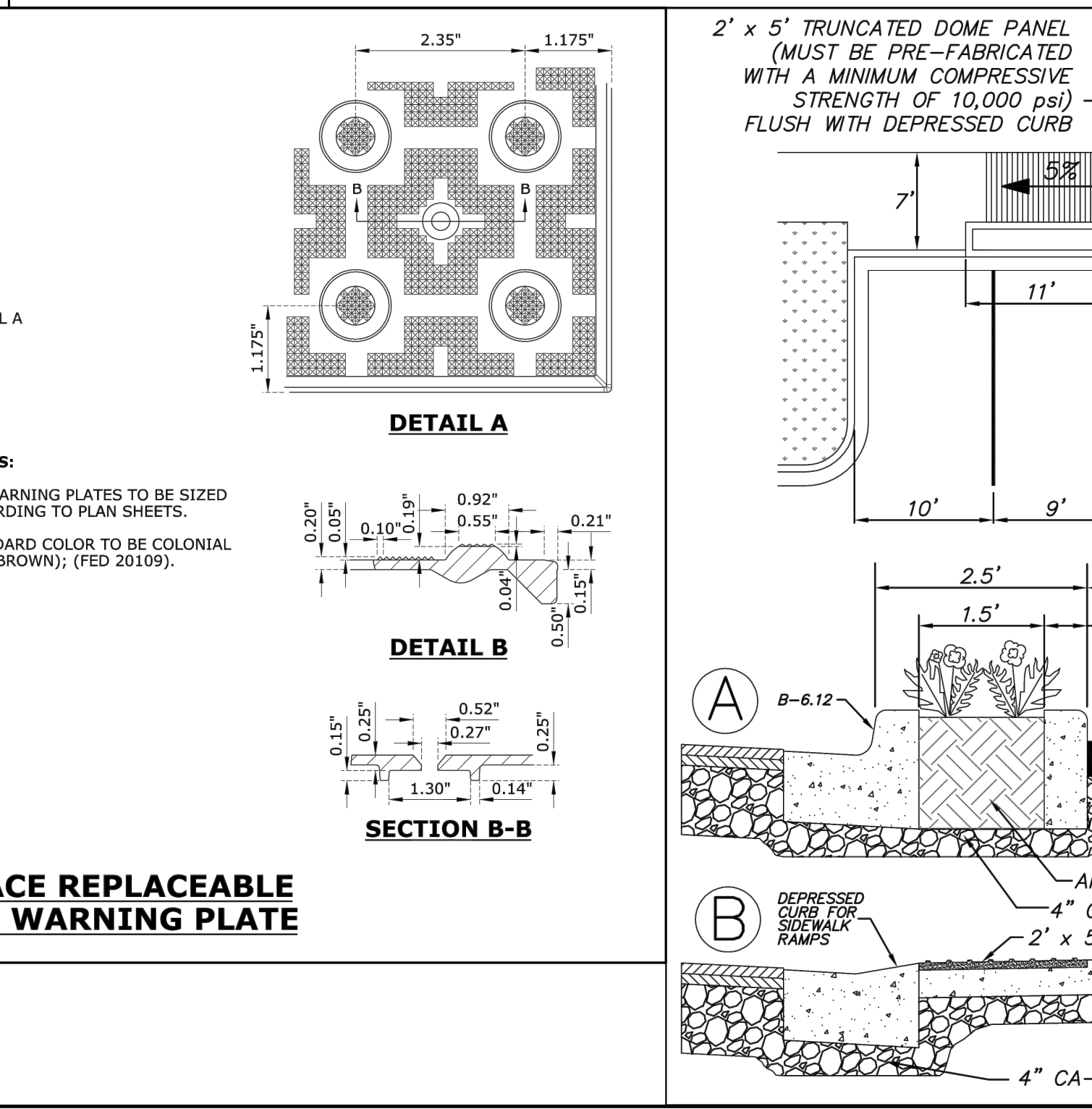
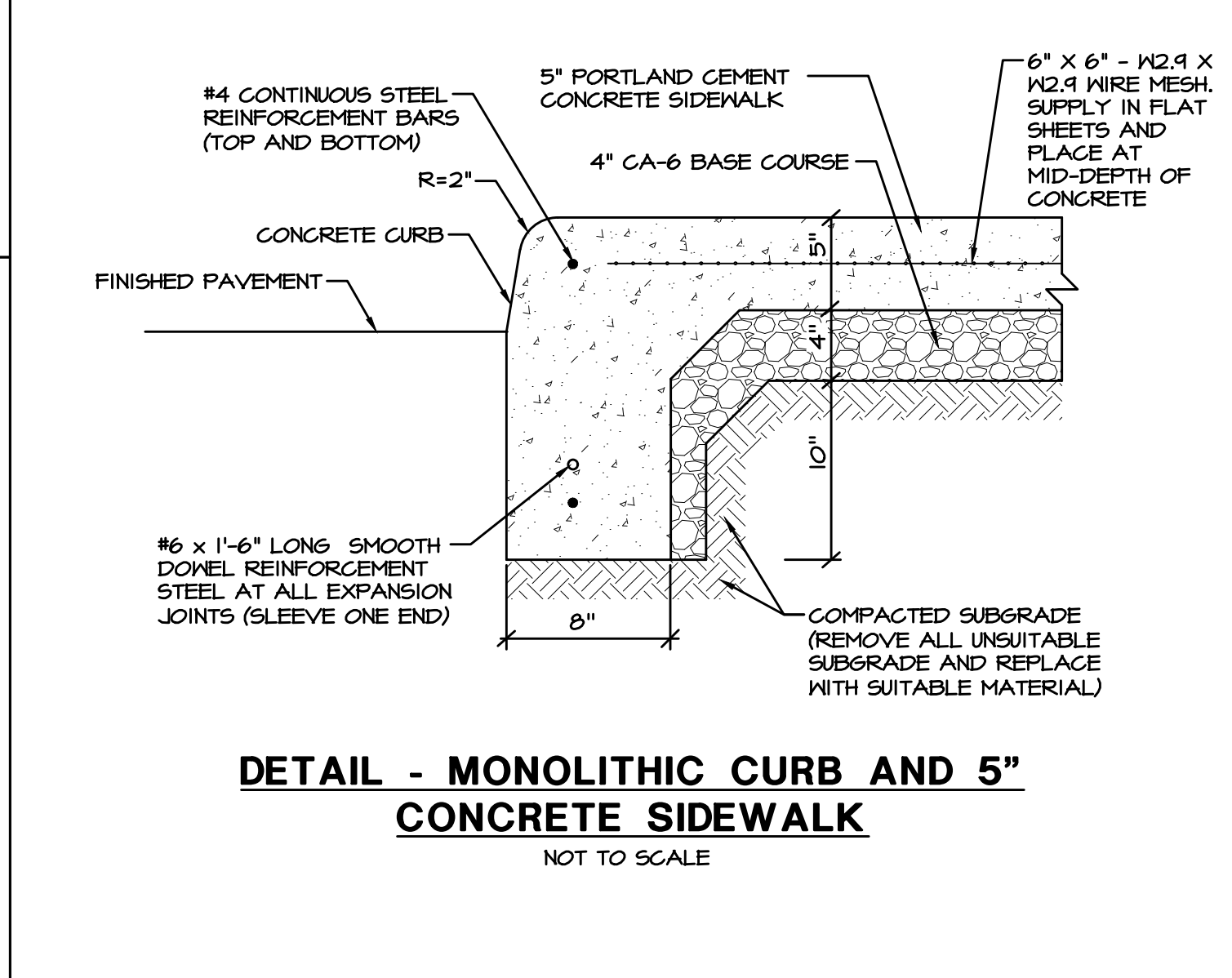
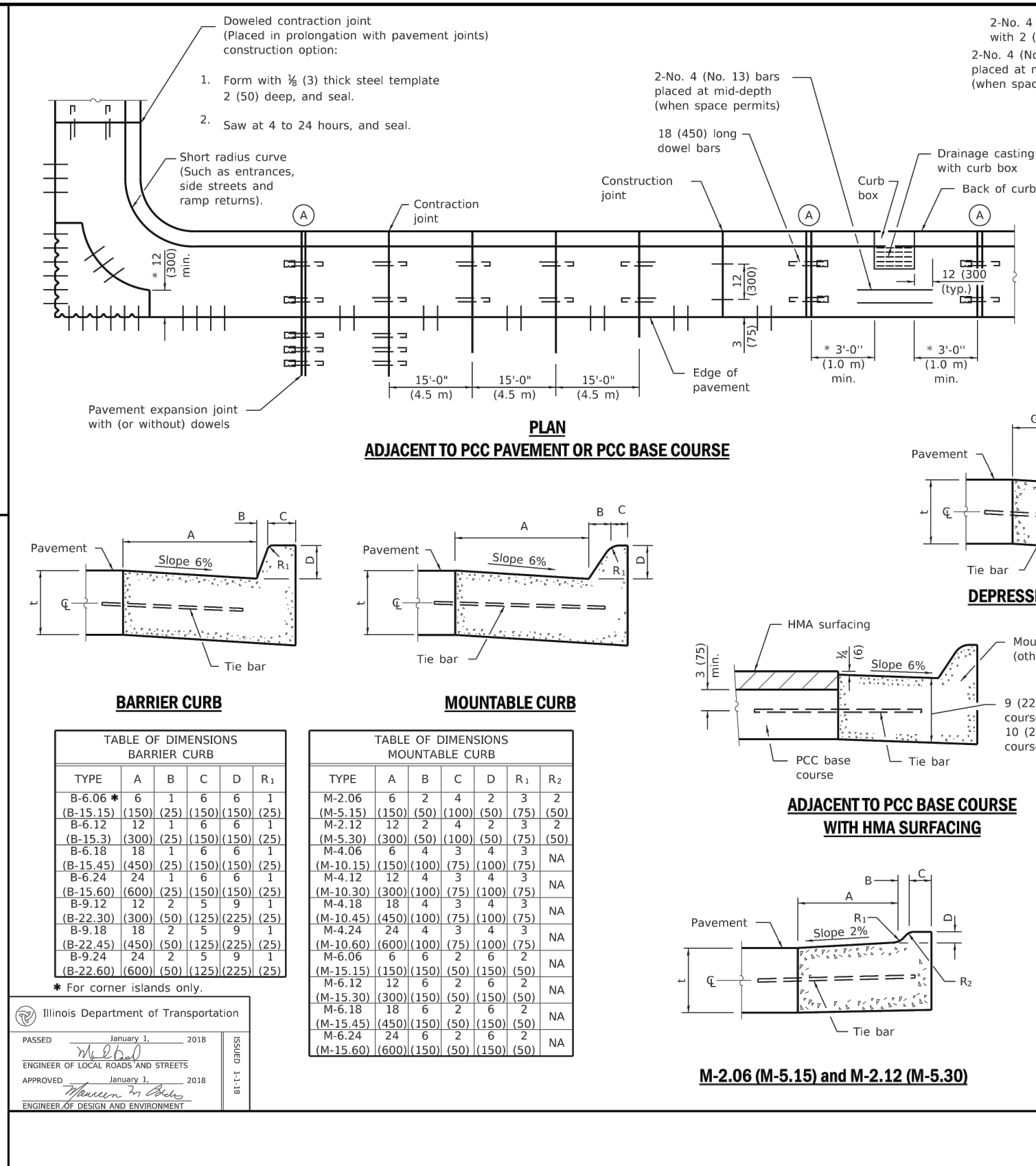
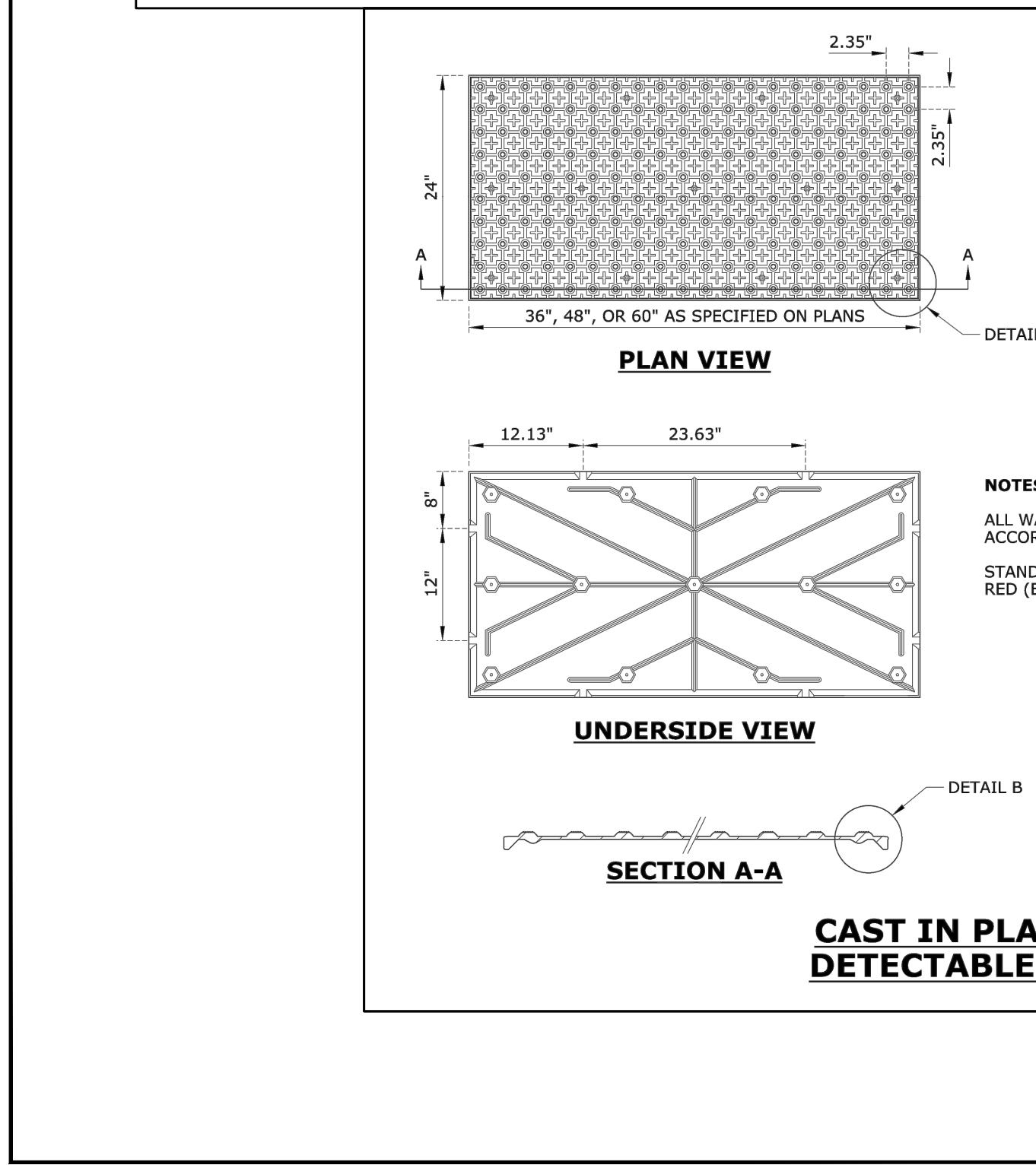
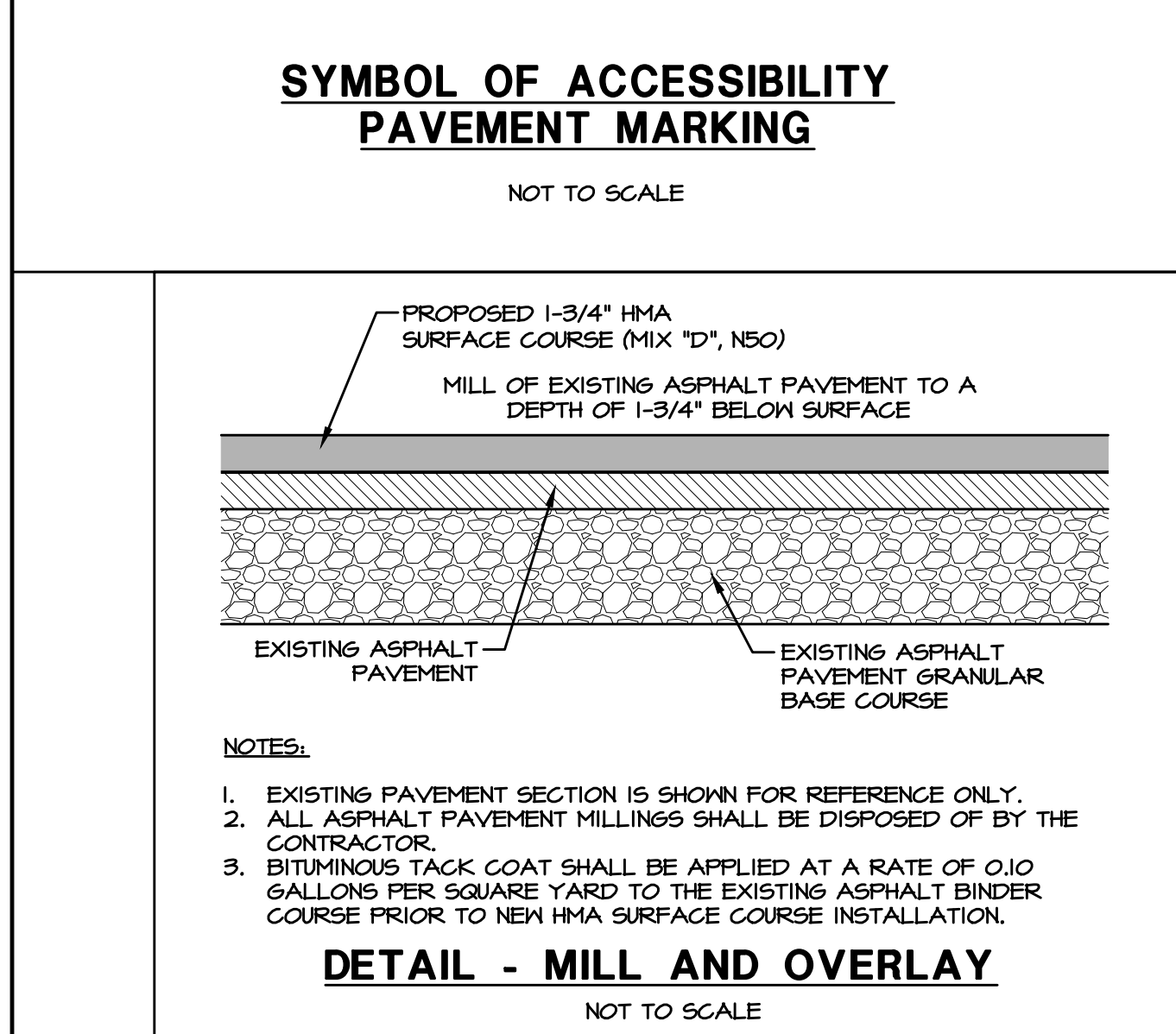
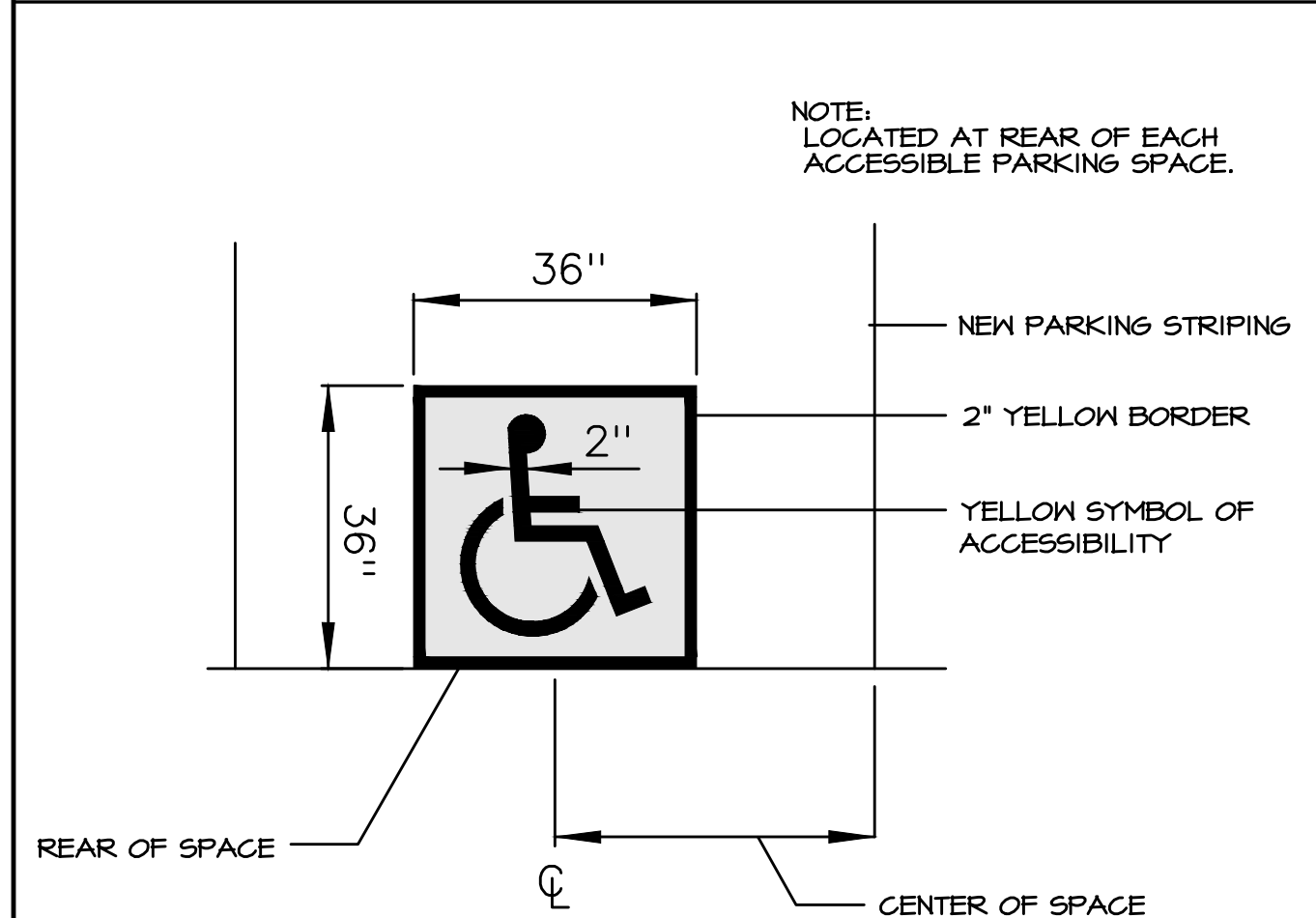
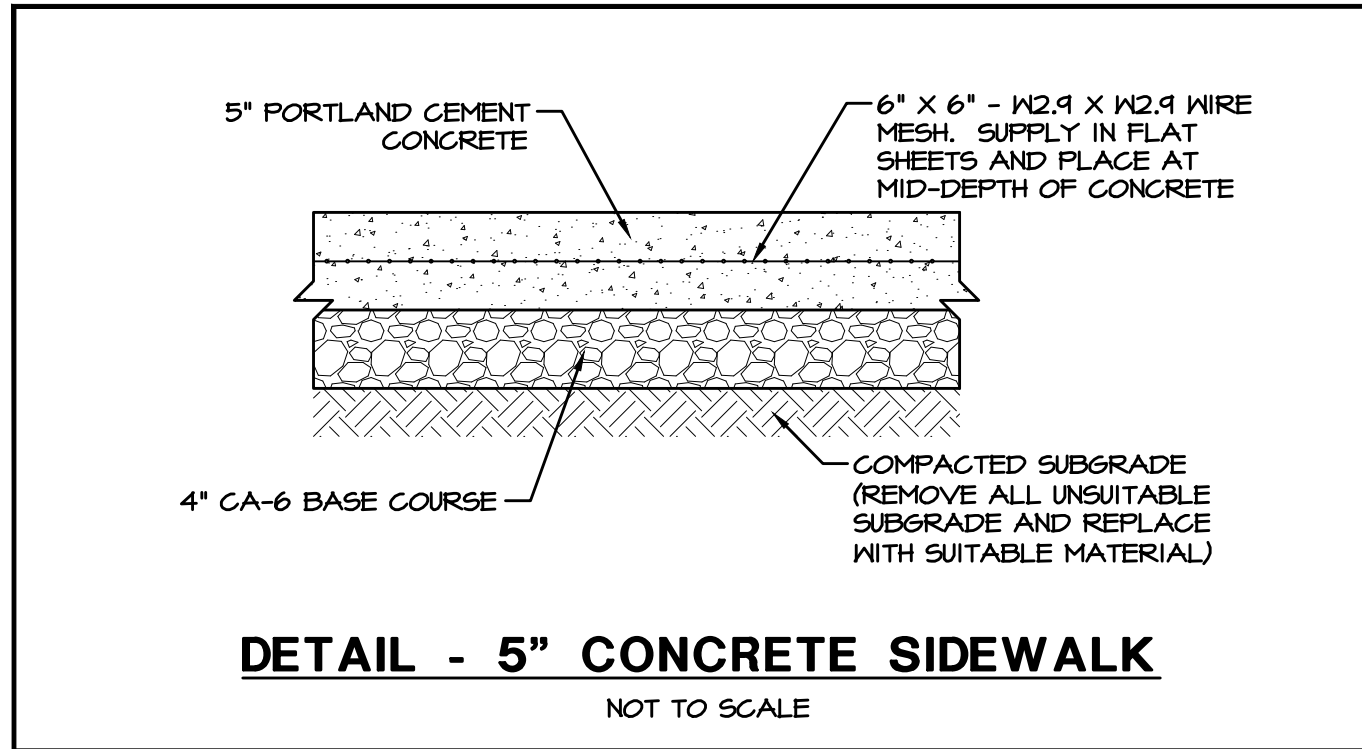
TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

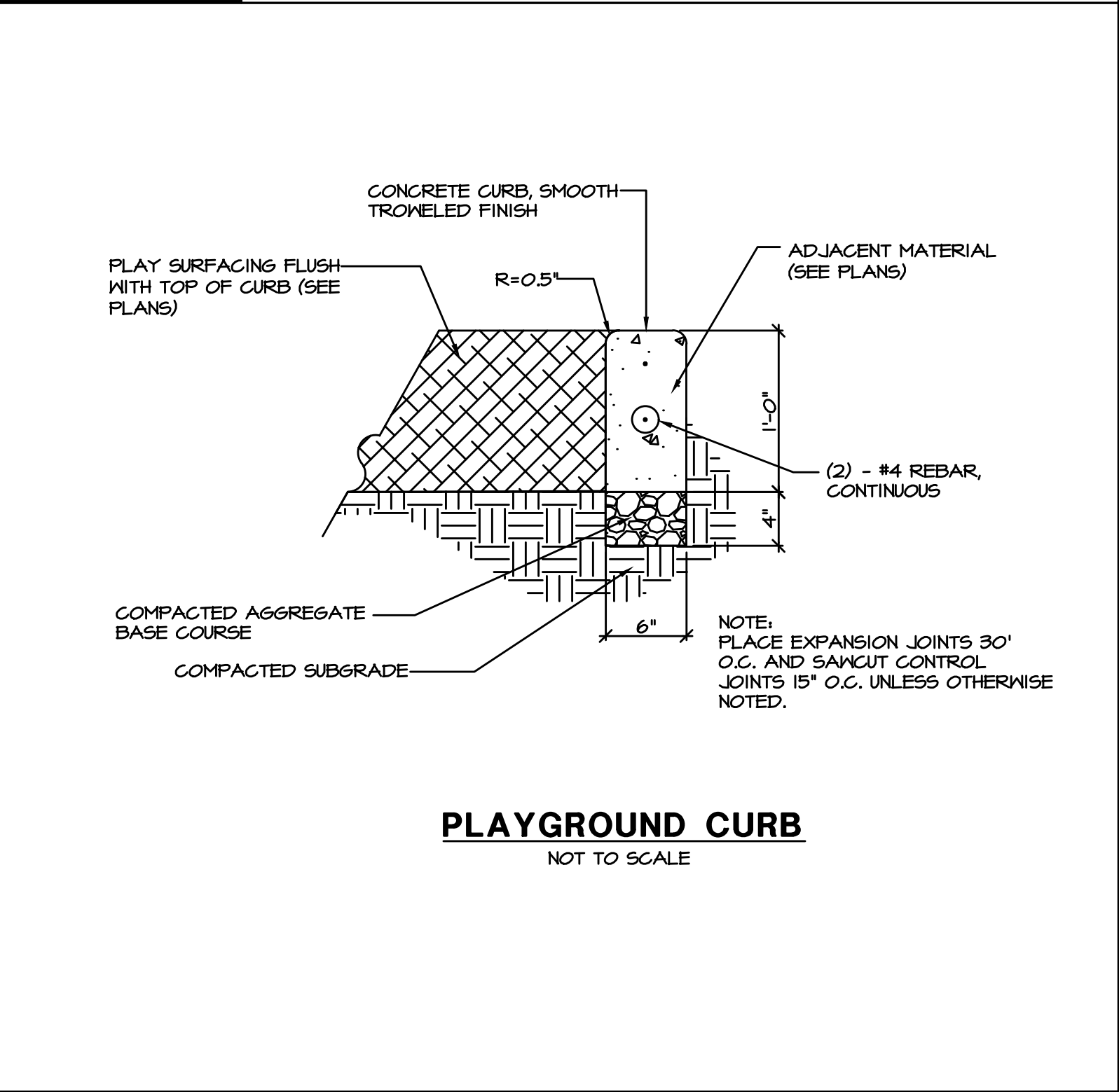
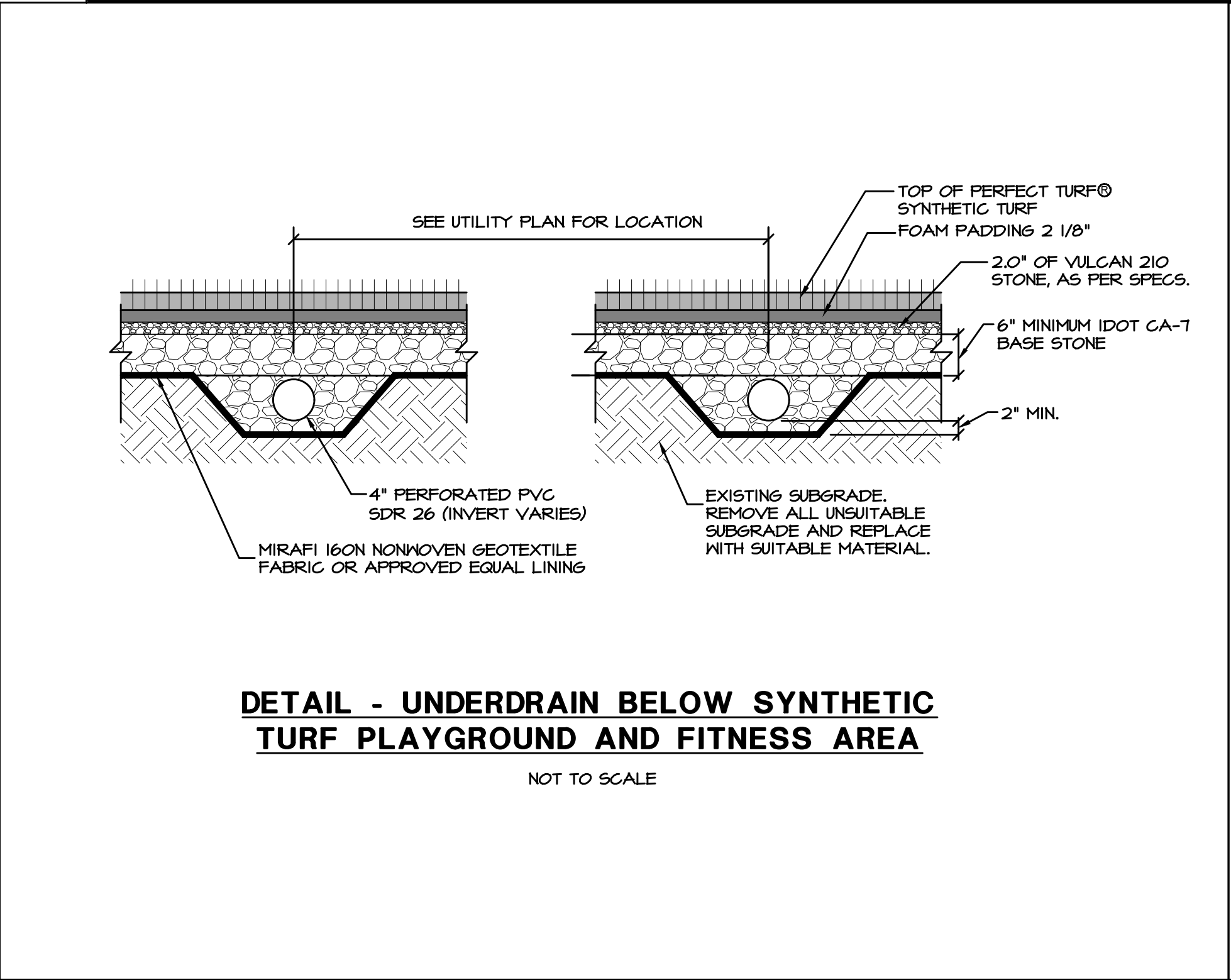
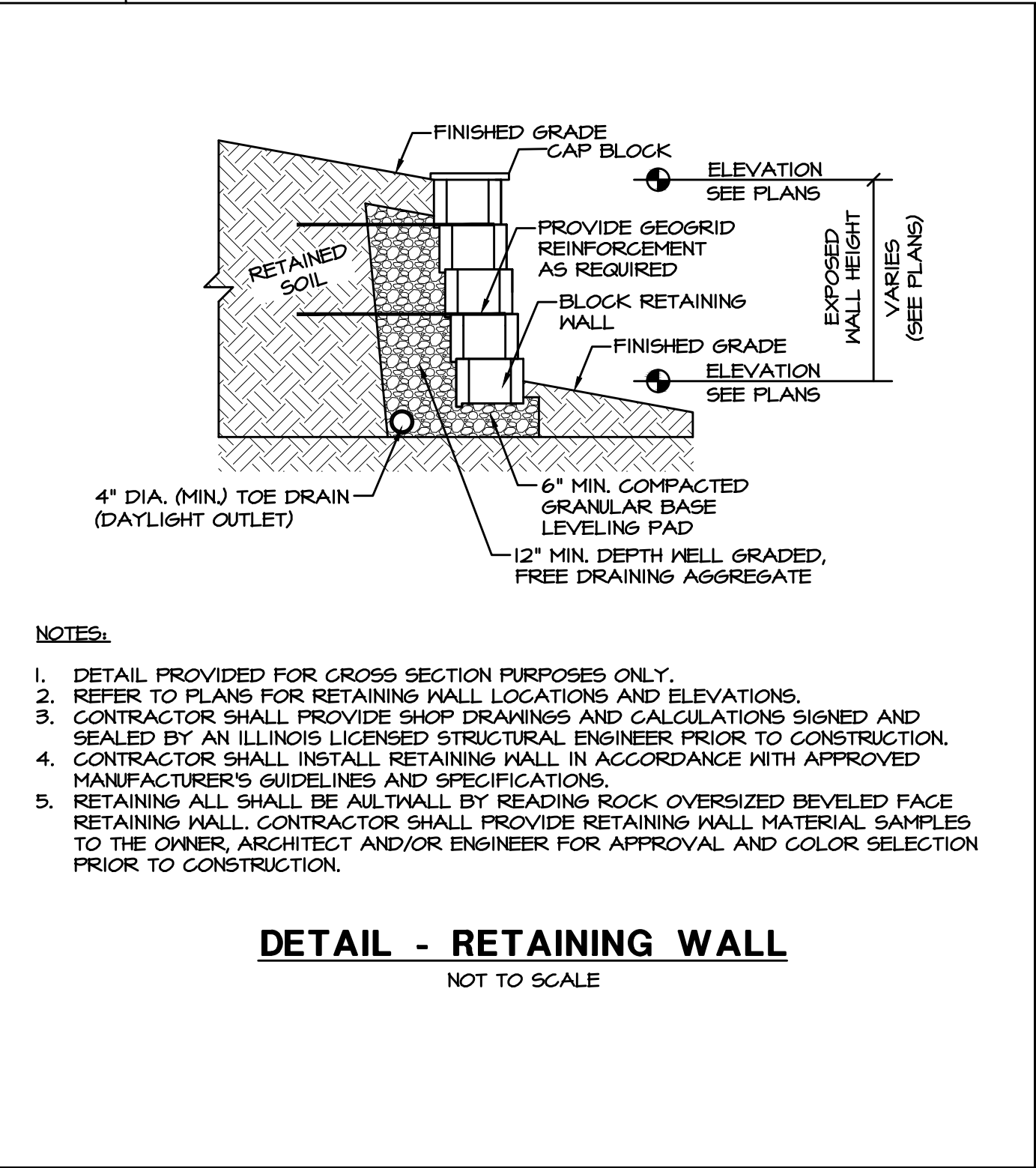
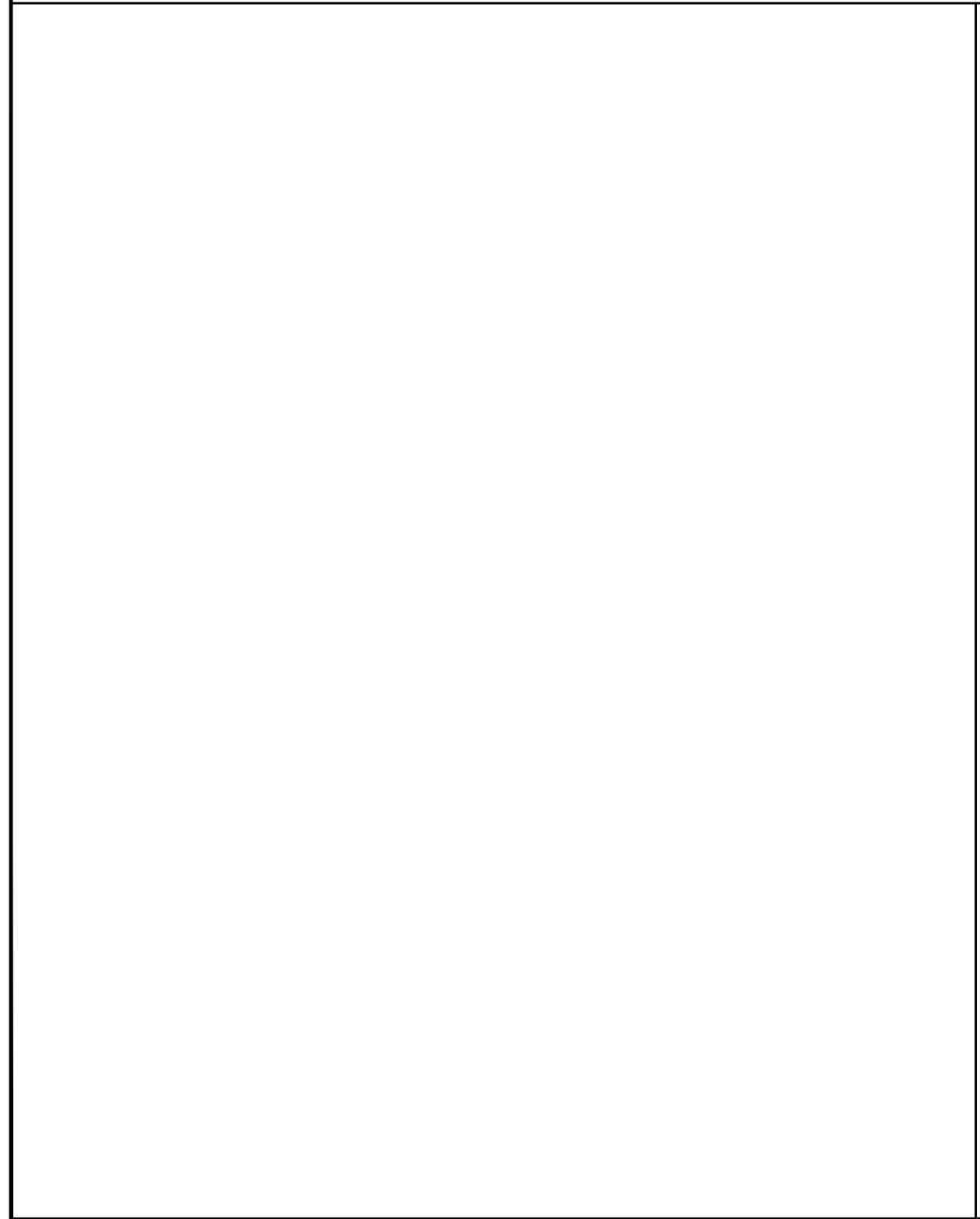
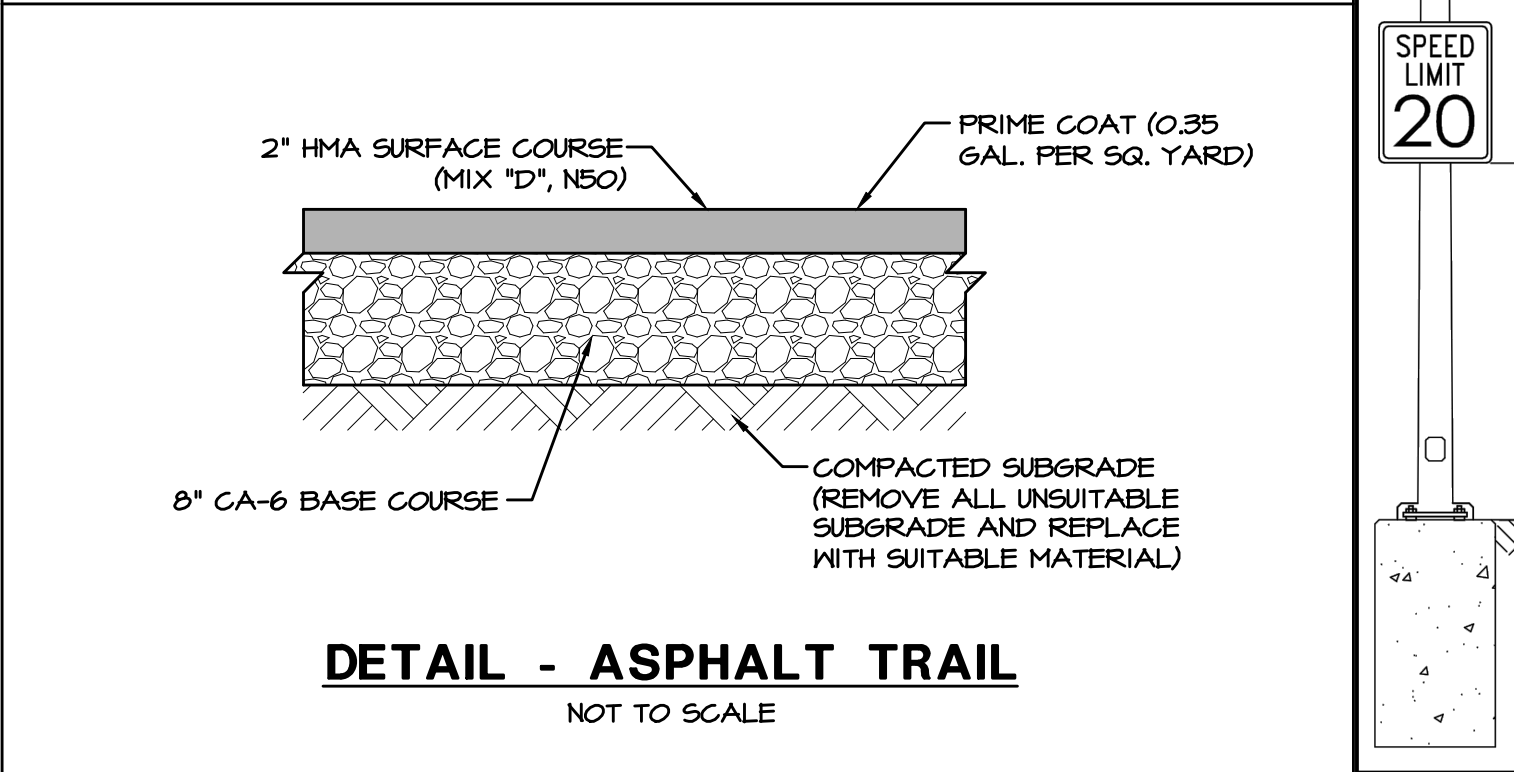
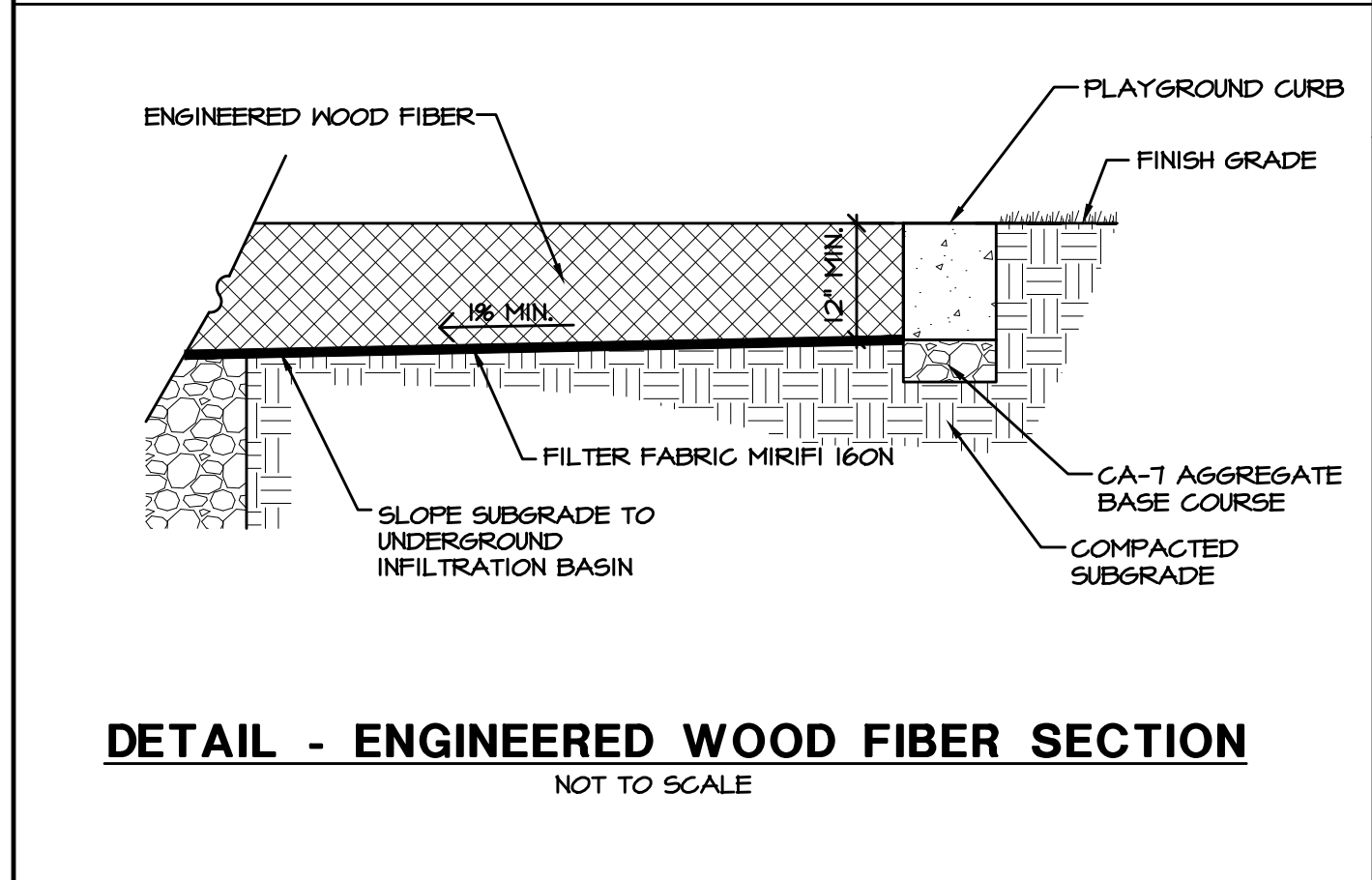
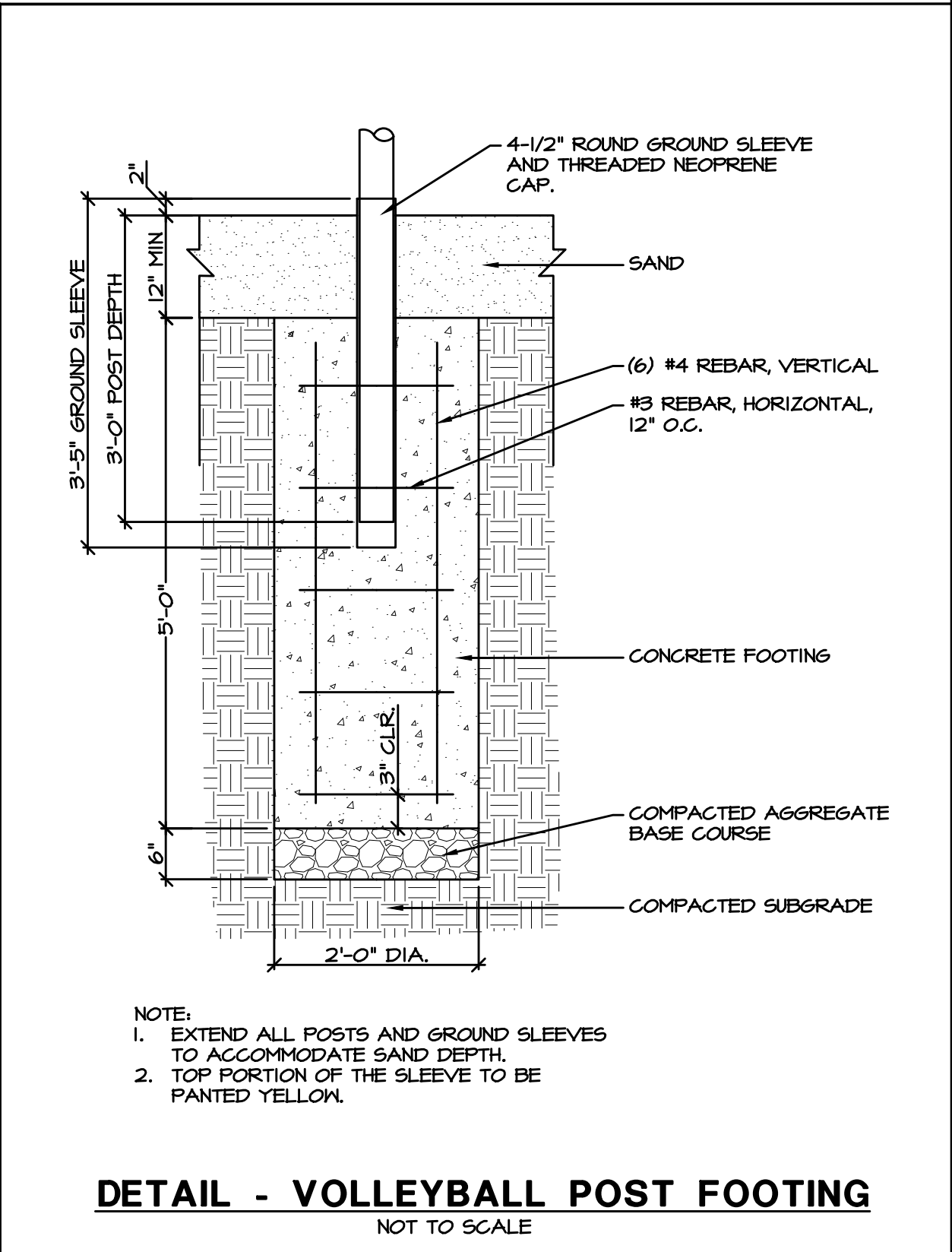
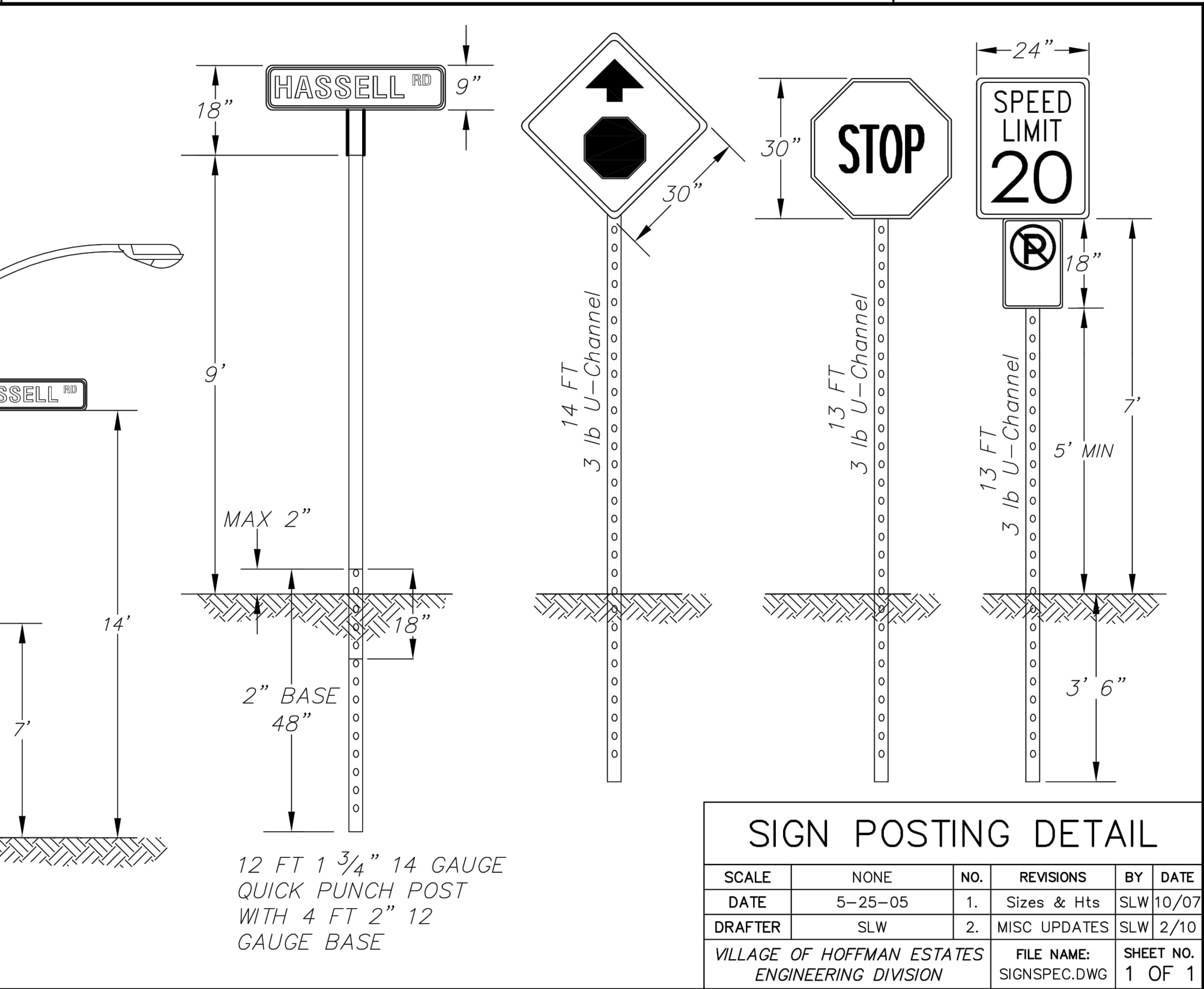
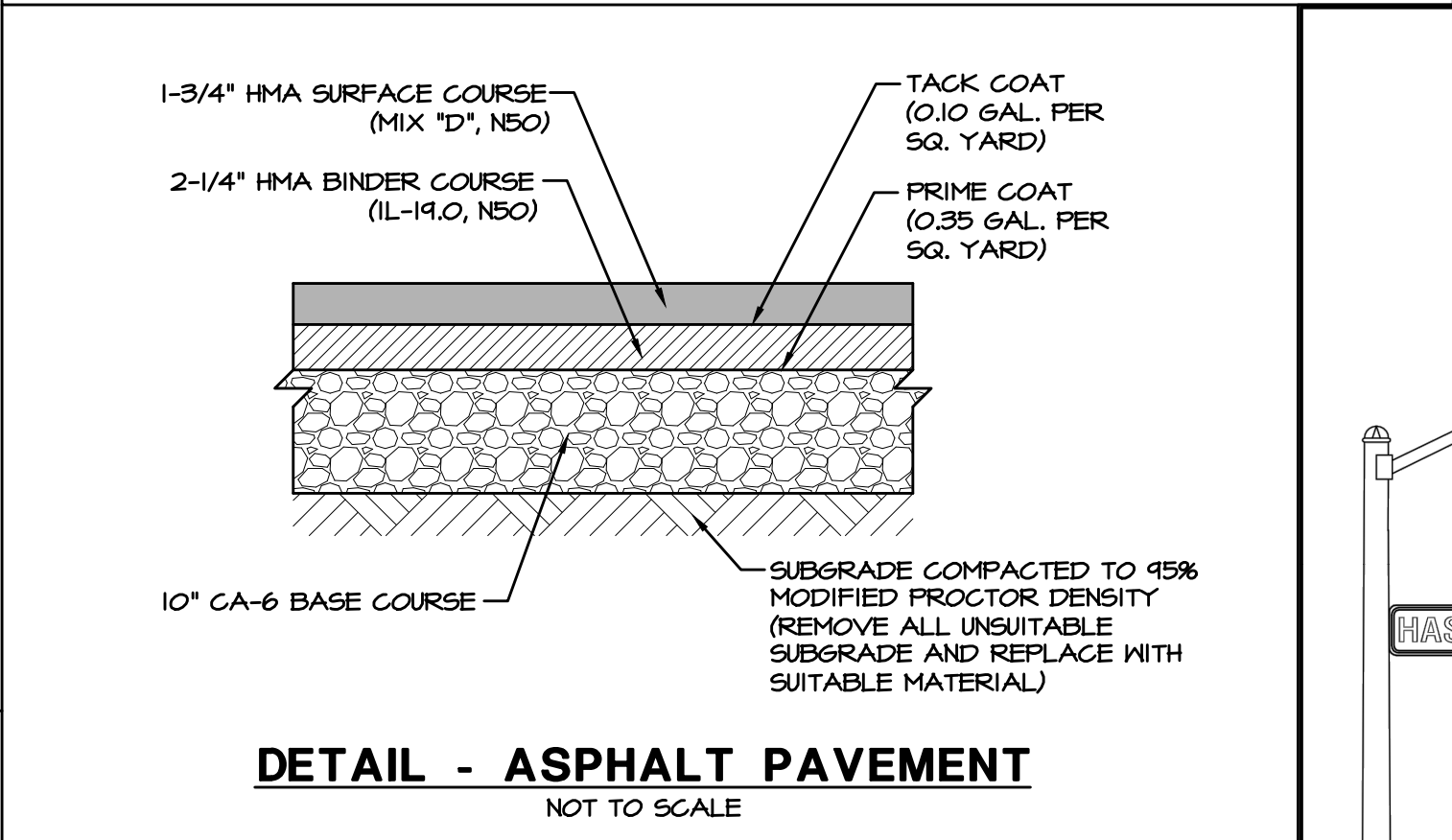
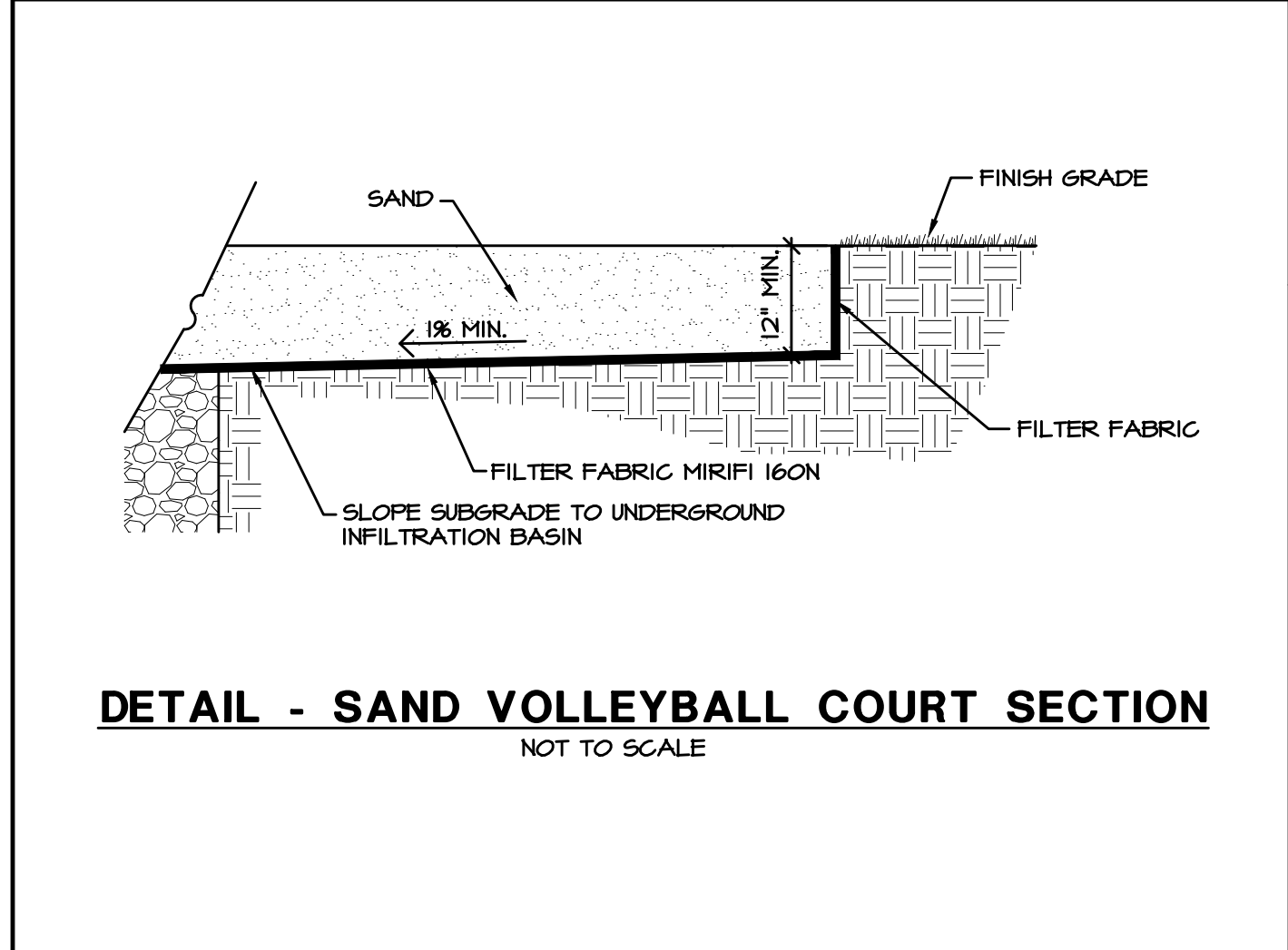
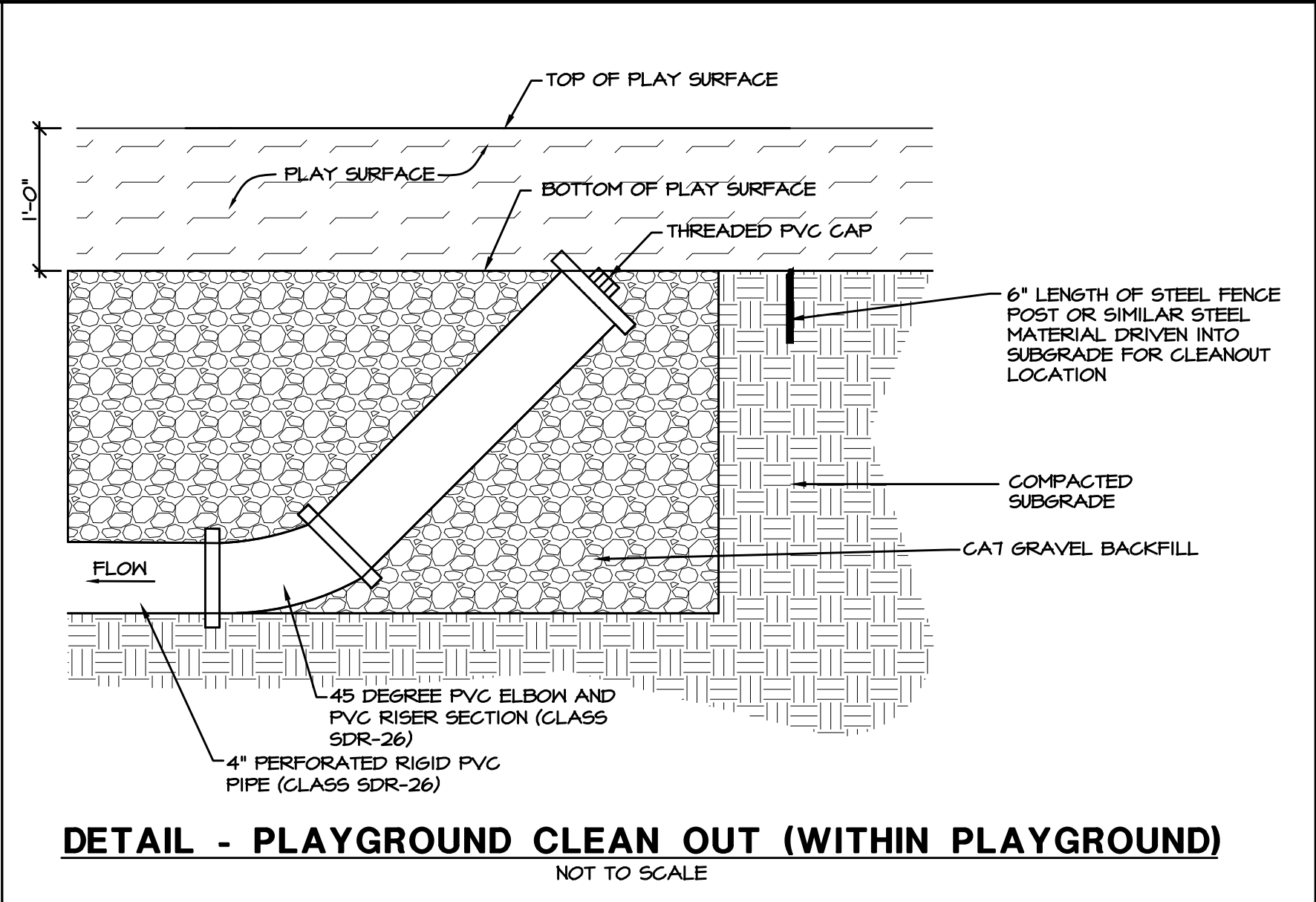
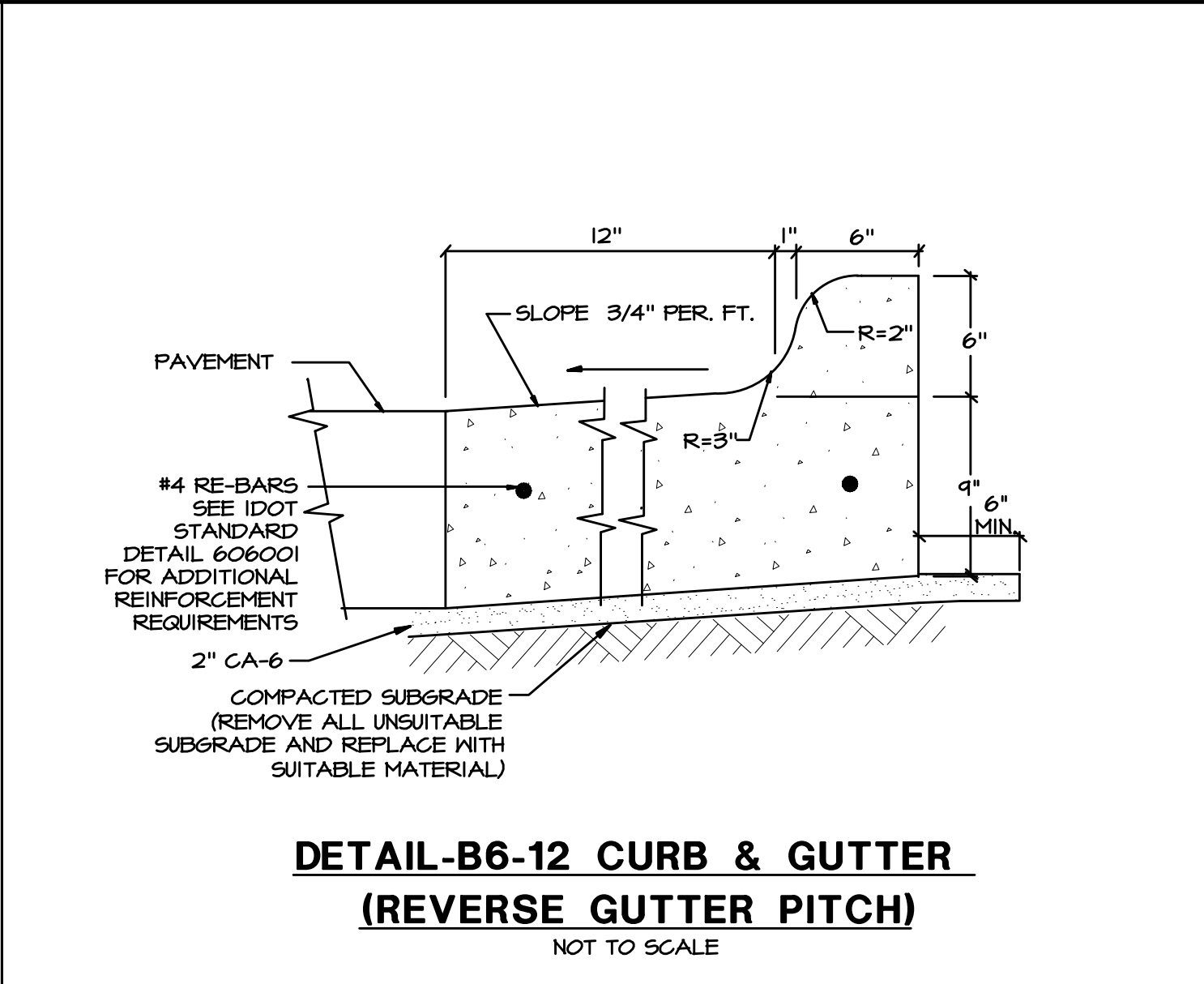
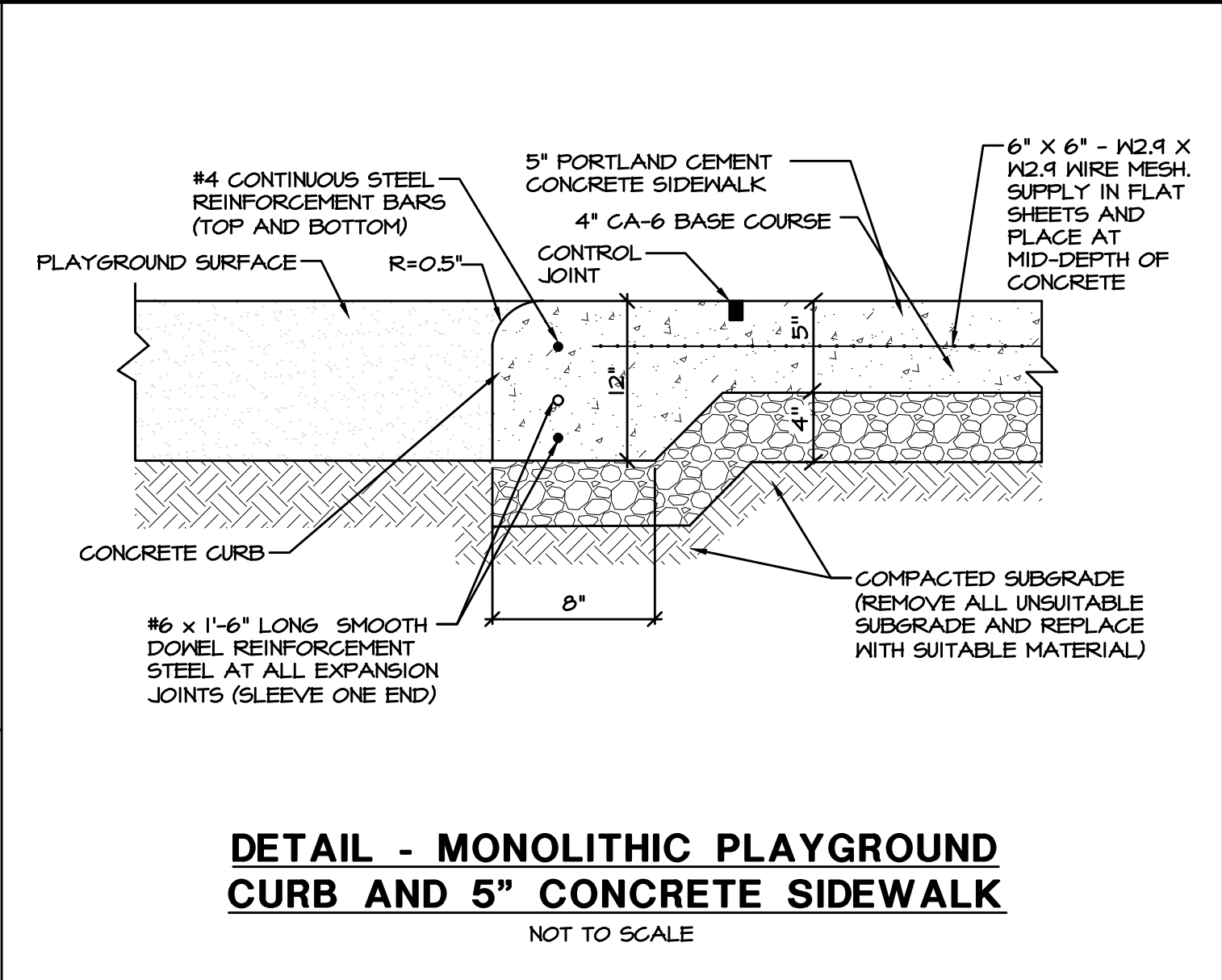
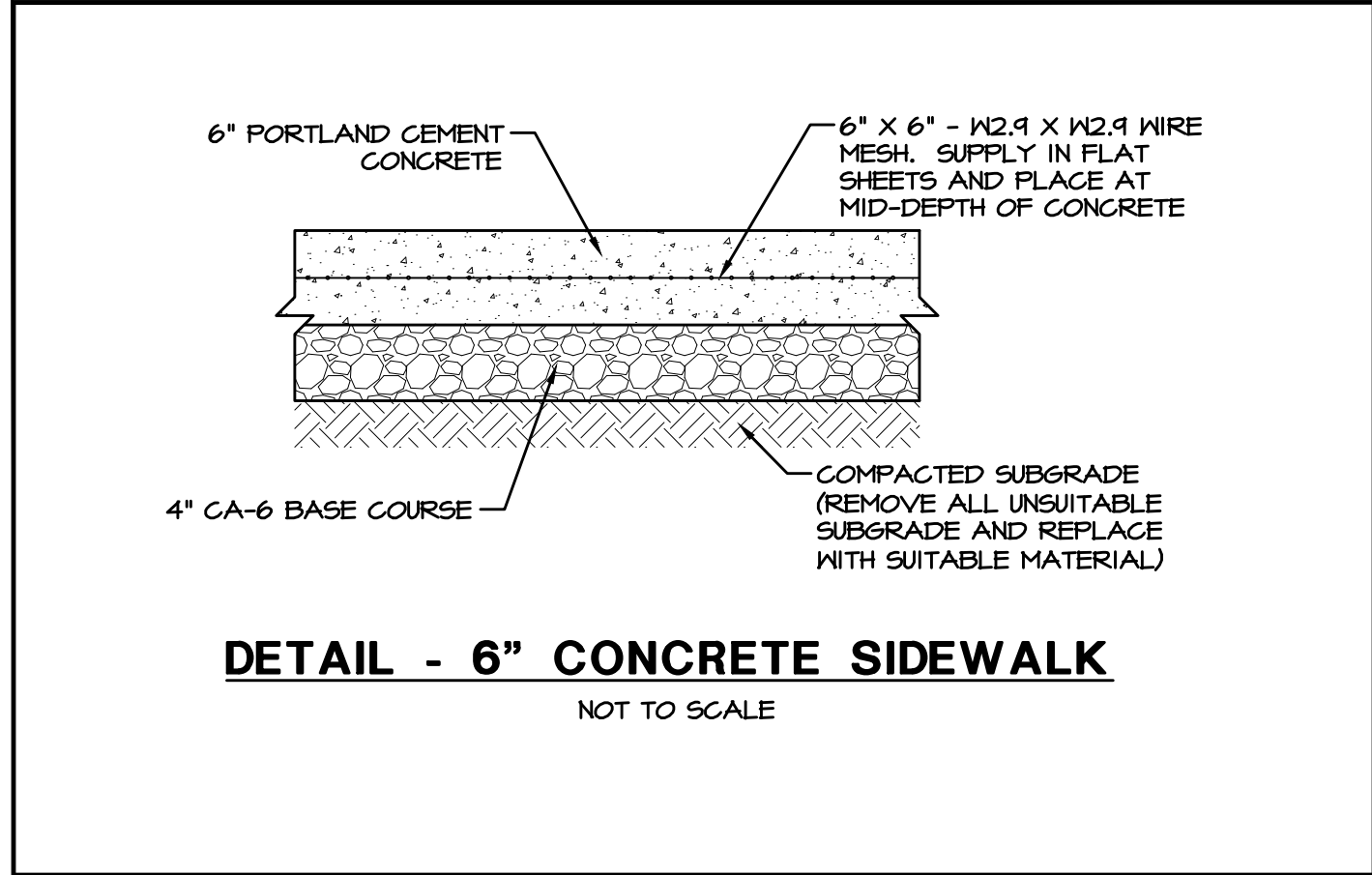
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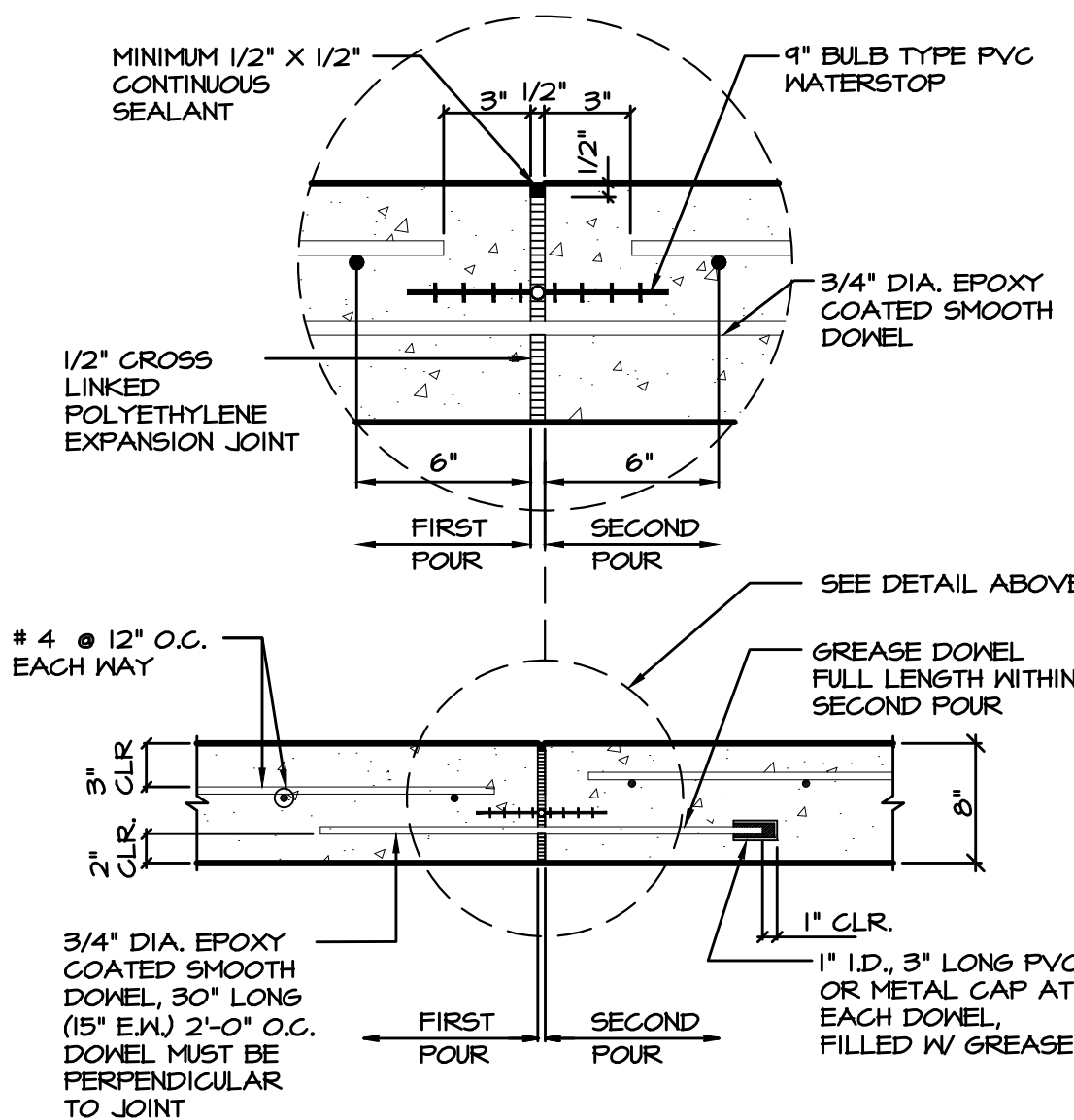
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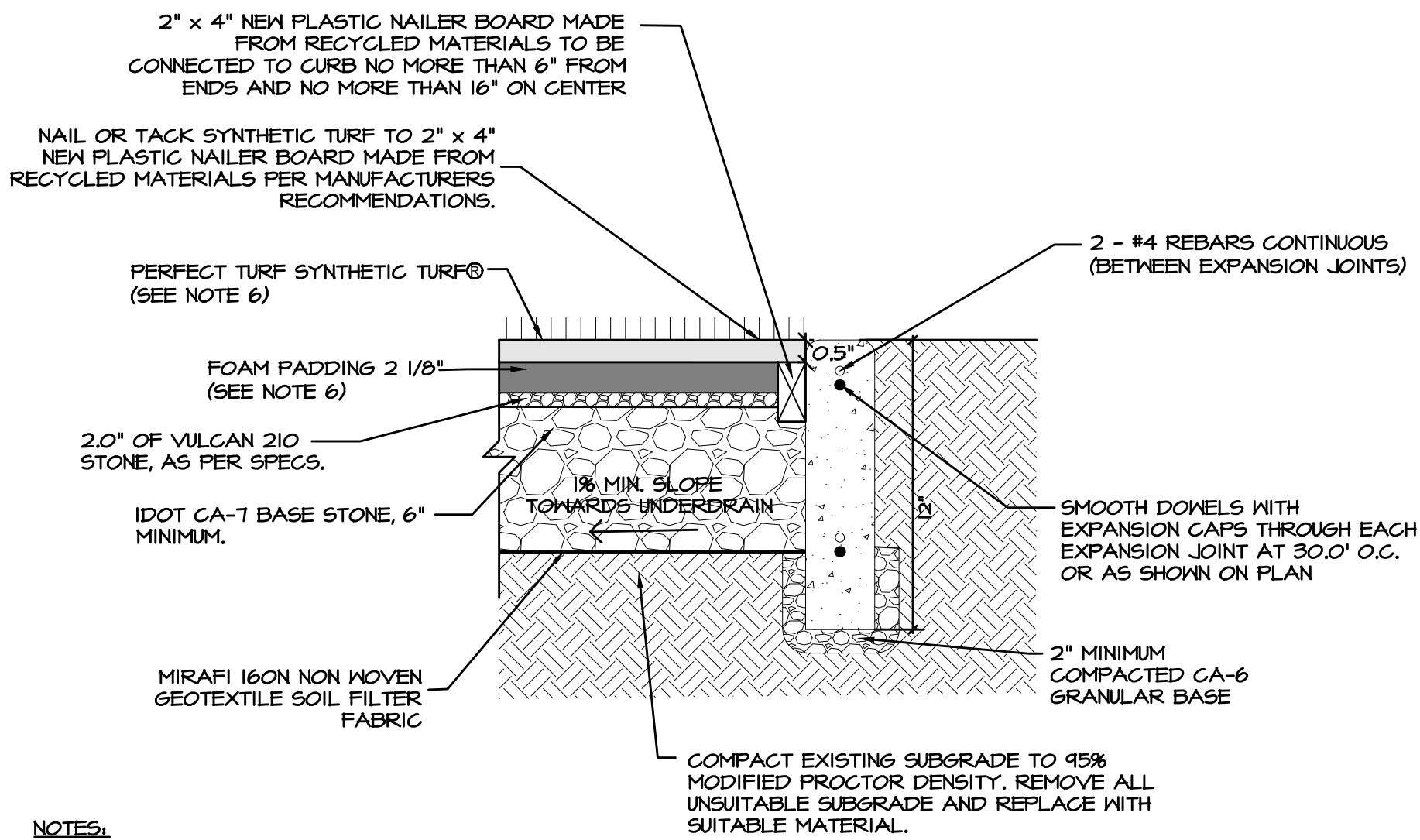
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SITE DEVELOPMENT PLAN



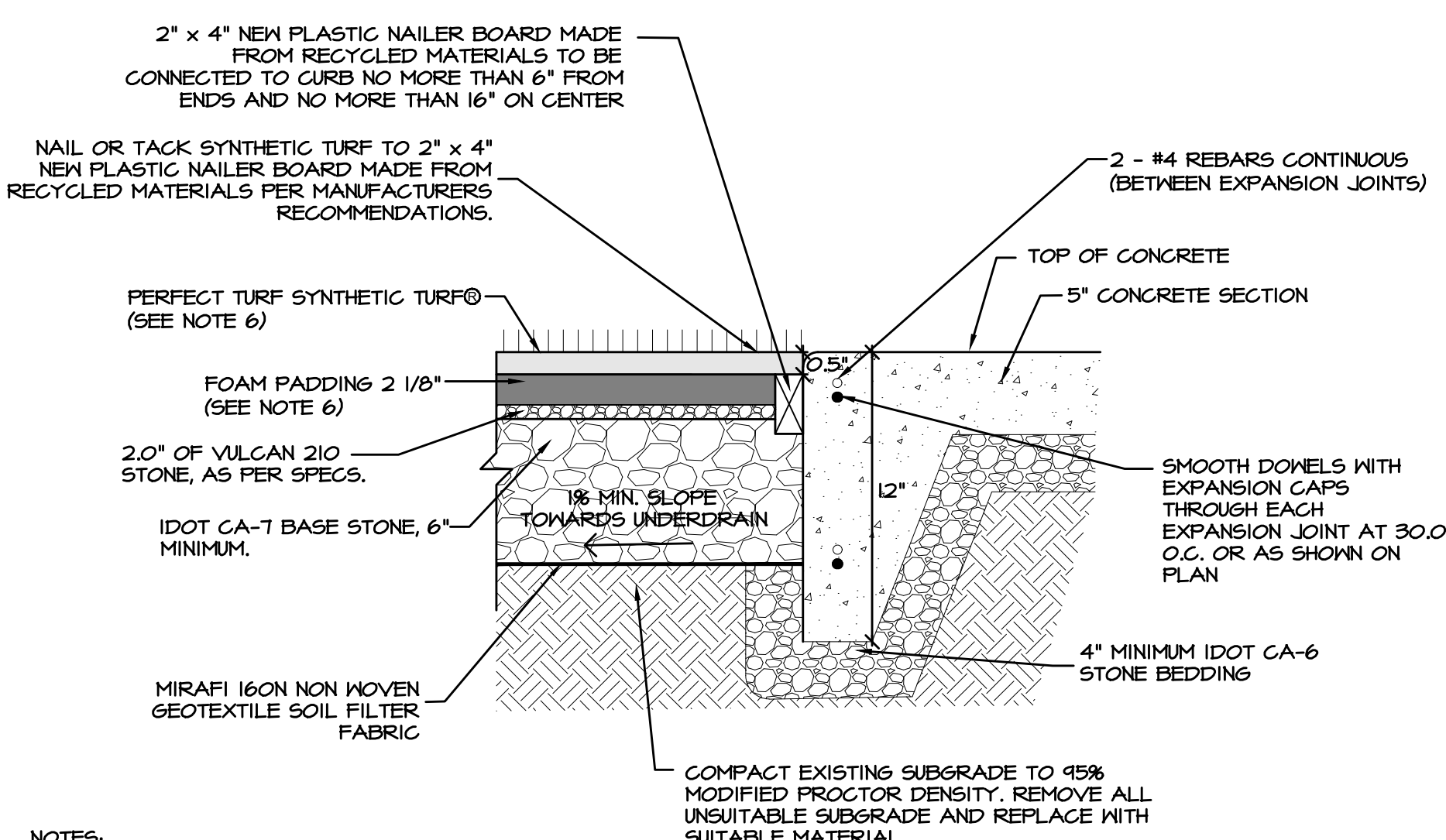




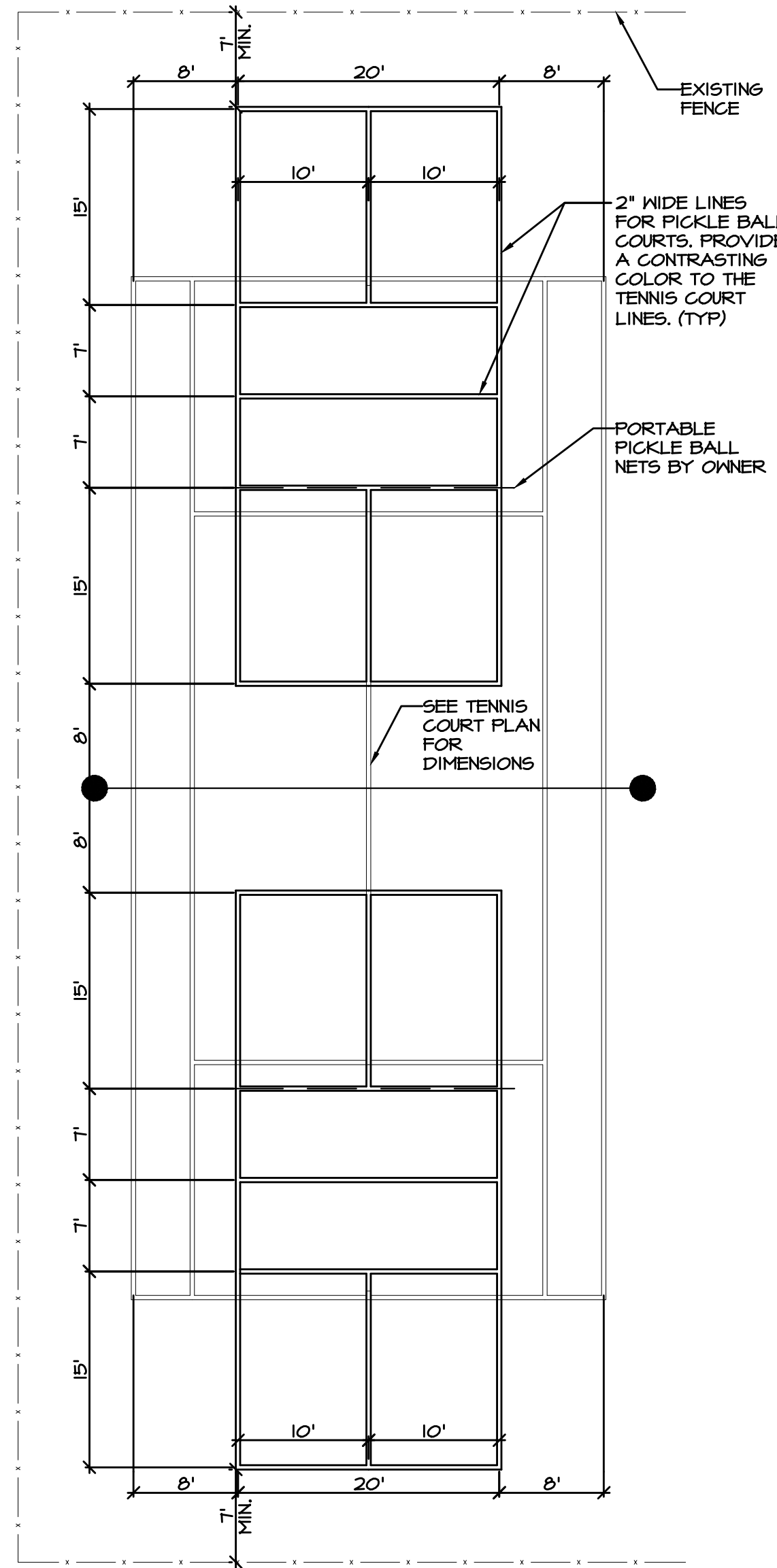
DETAIL - SPLASH PAD EXPANSION JOINT DETAIL  
NOT TO SCALE



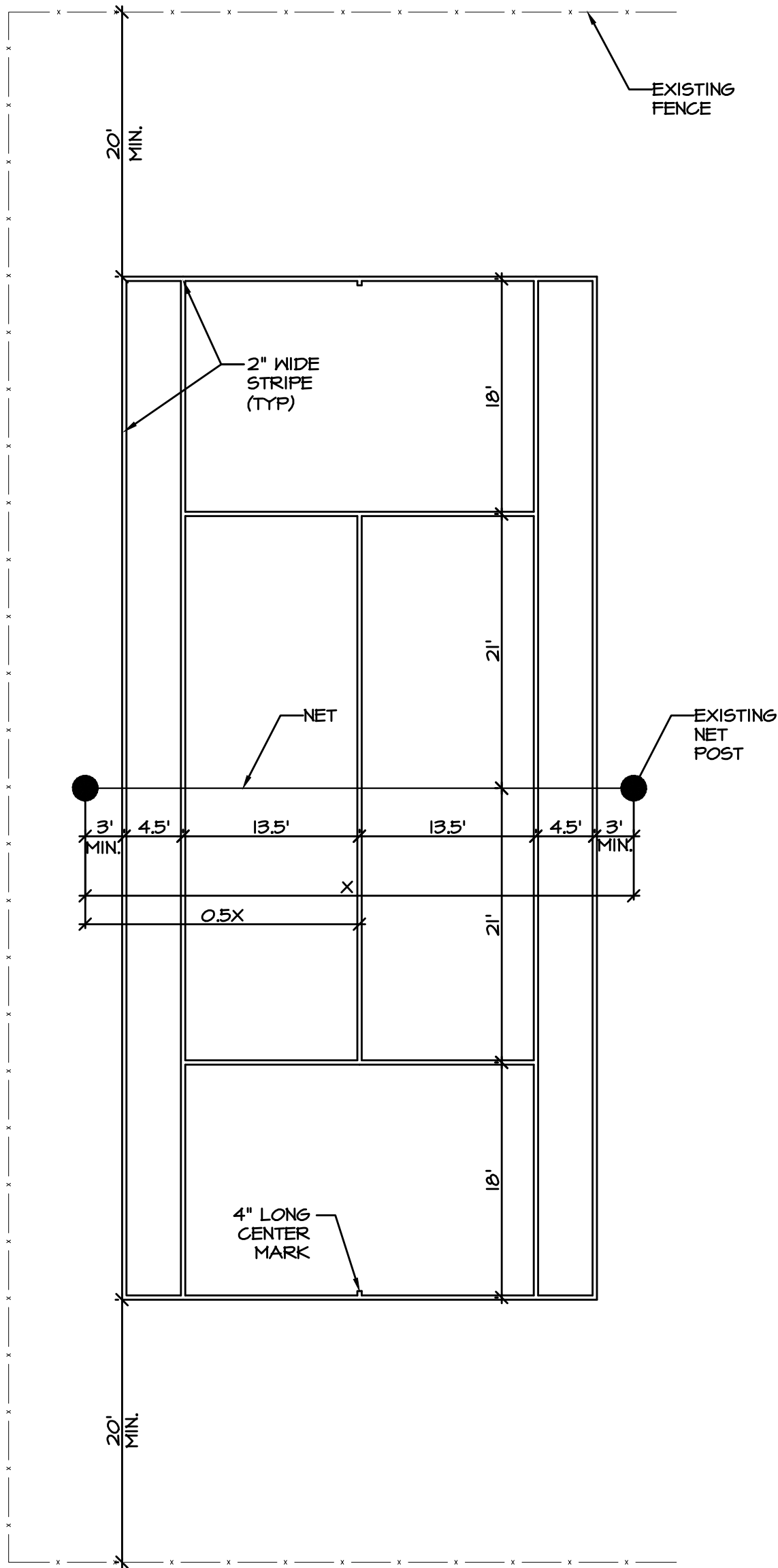
DETAIL - SYNTHETIC TURF ADJACENT  
TO PLAYGROUND CURB  
NOT TO SCALE



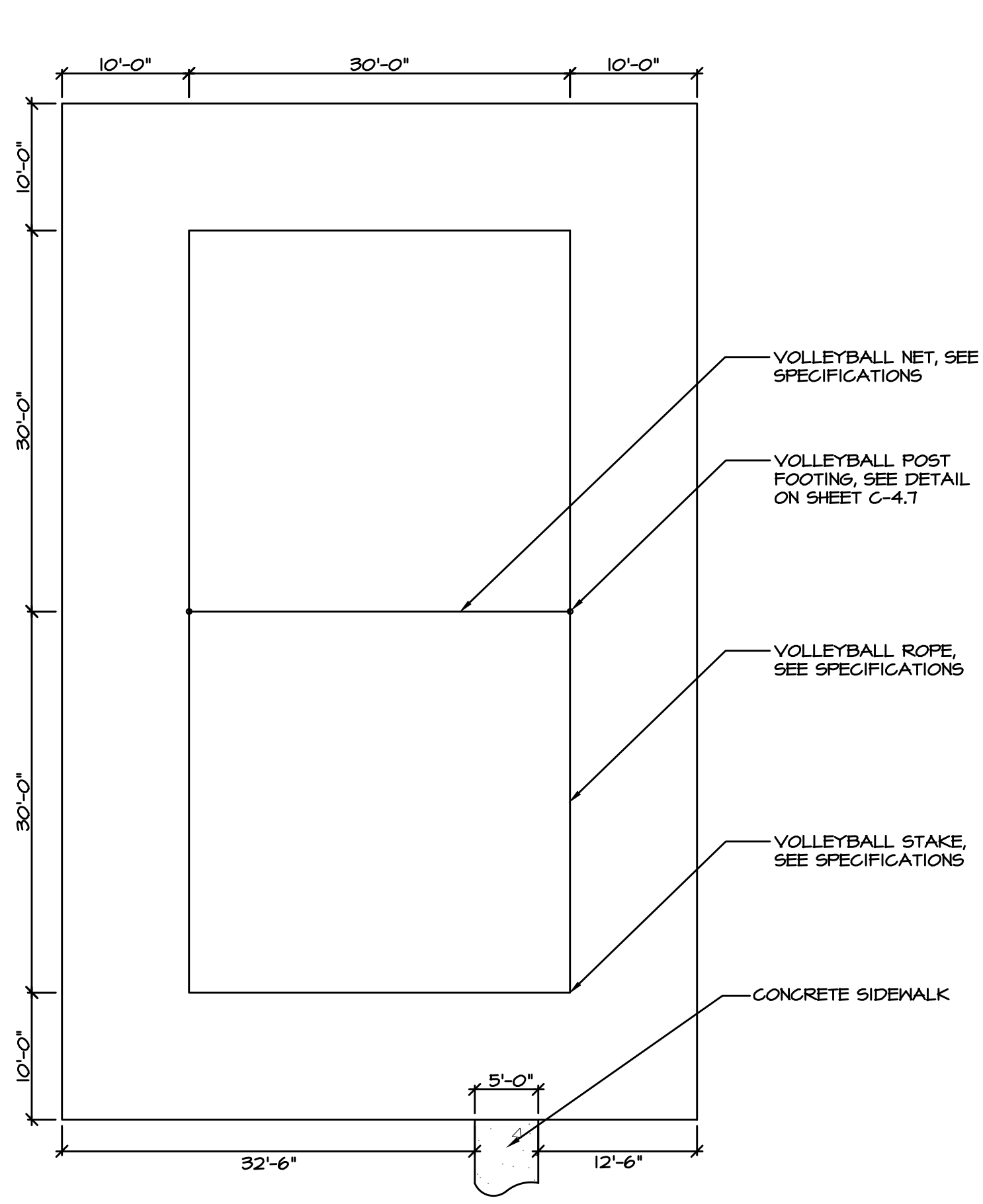
DETAIL - SYNTHETIC TURF ADJACENT  
TO MONOLITHIC PLAYGROUND SIDEWALK  
NOT TO SCALE



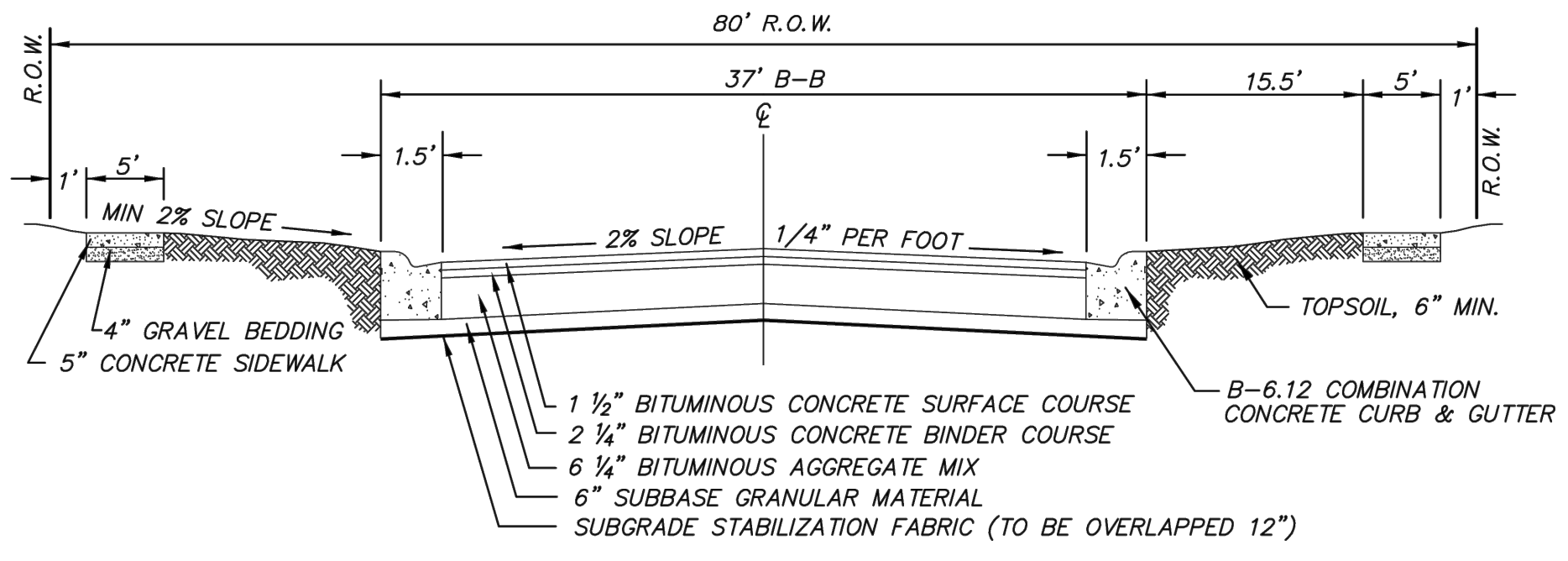
DETAIL - PICKLE BALL COURT PLAN  
1" = 10'



DETAIL - TENNIS COURT PLAN  
1" = 10'



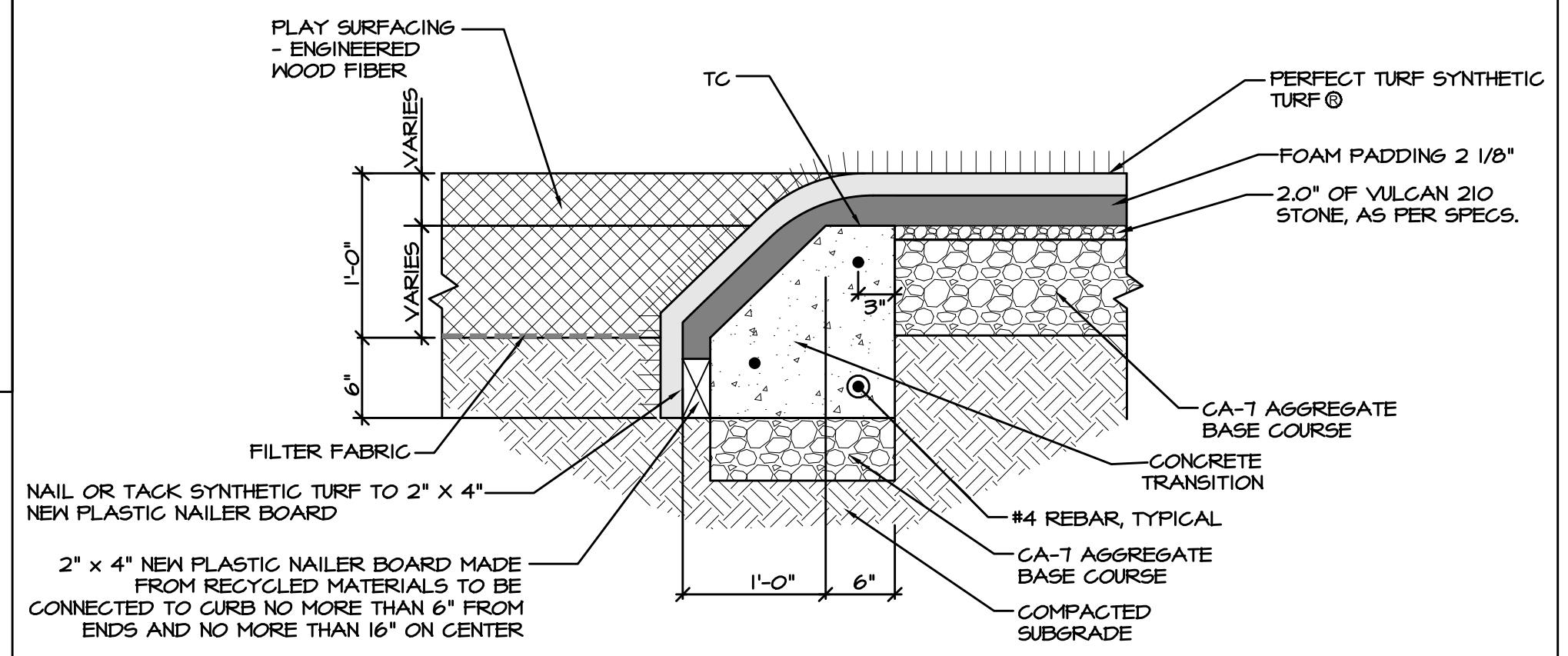
DETAIL - VOLLEYBALL COURT PLAN  
1" = 10'



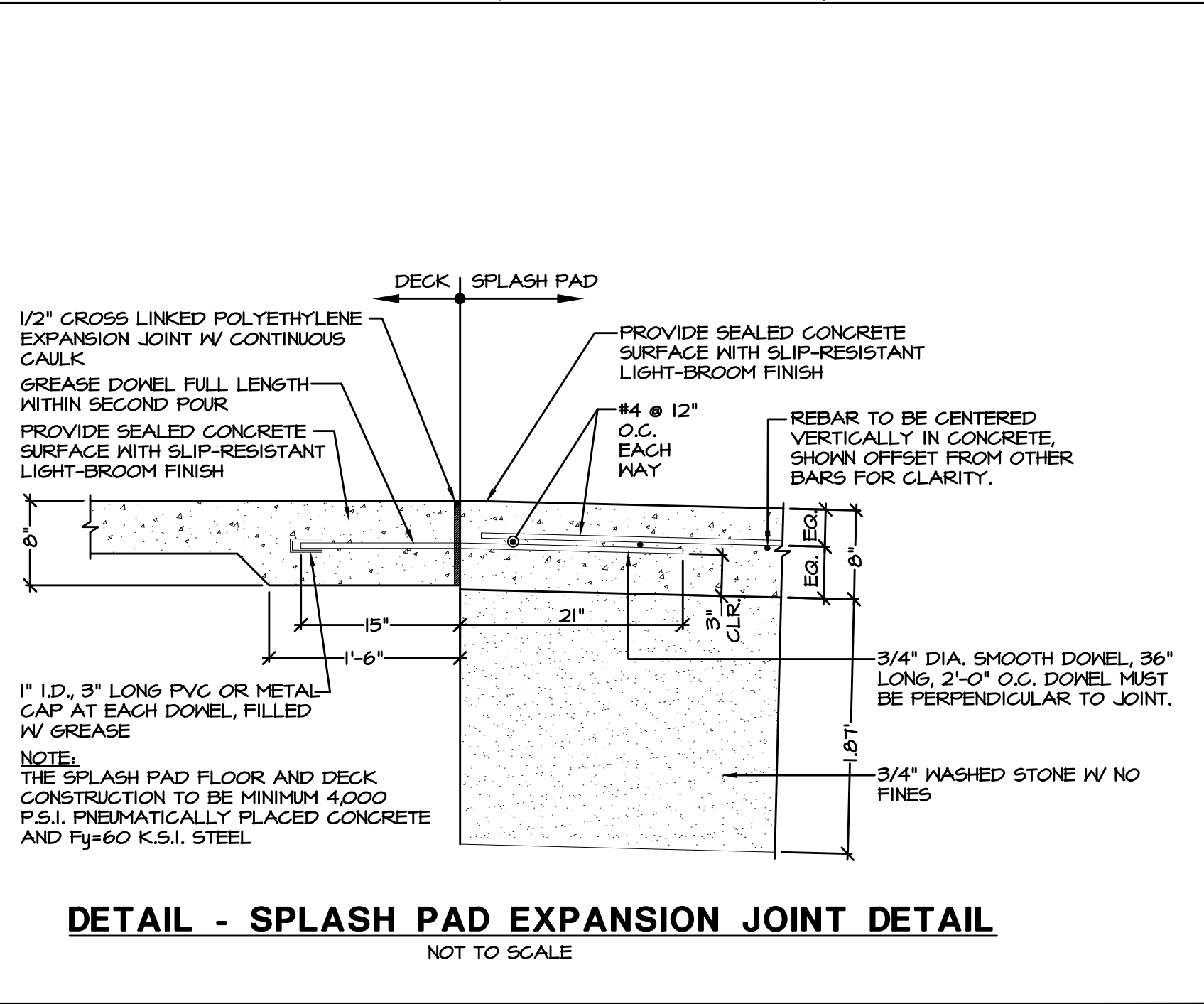
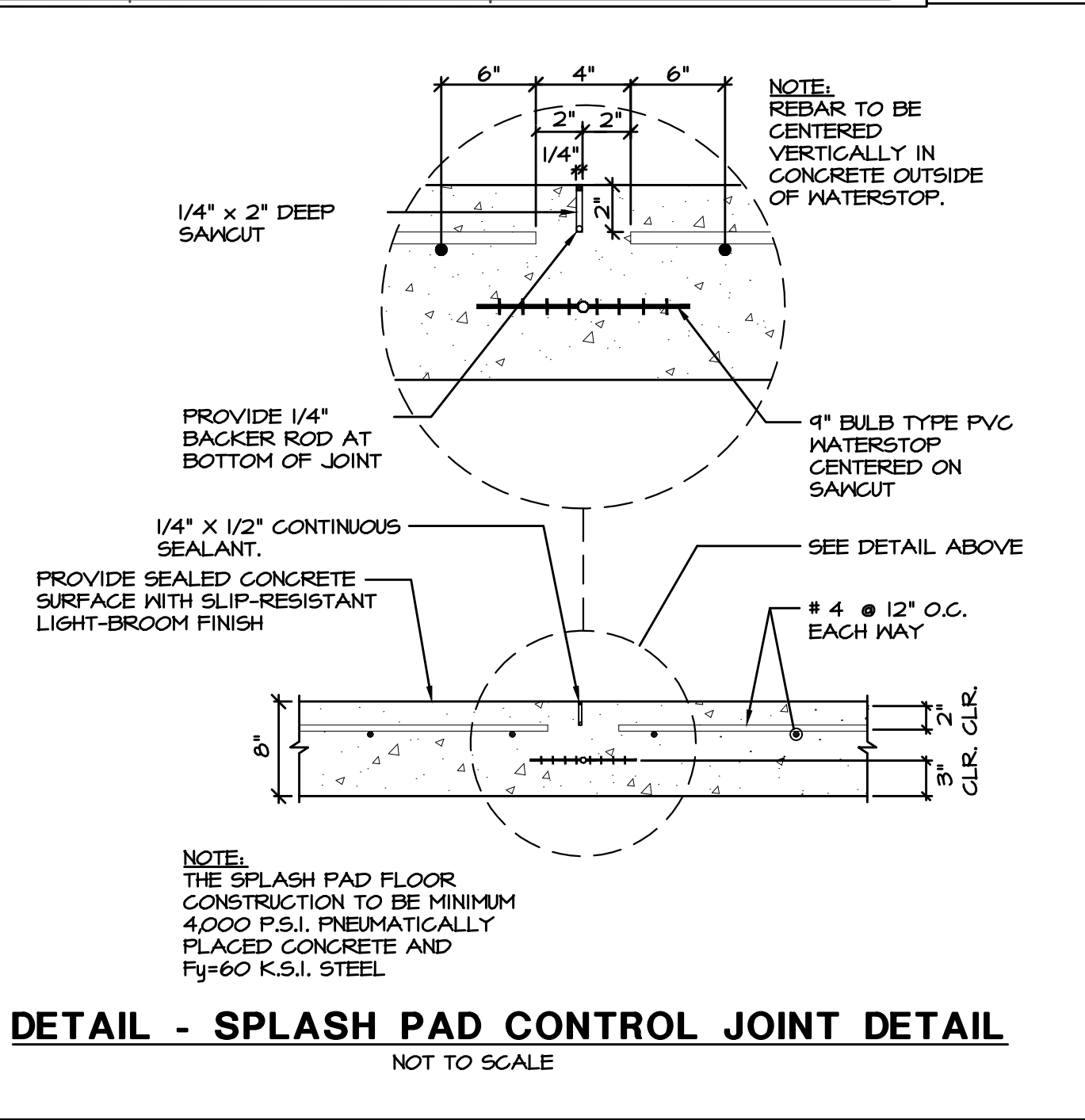
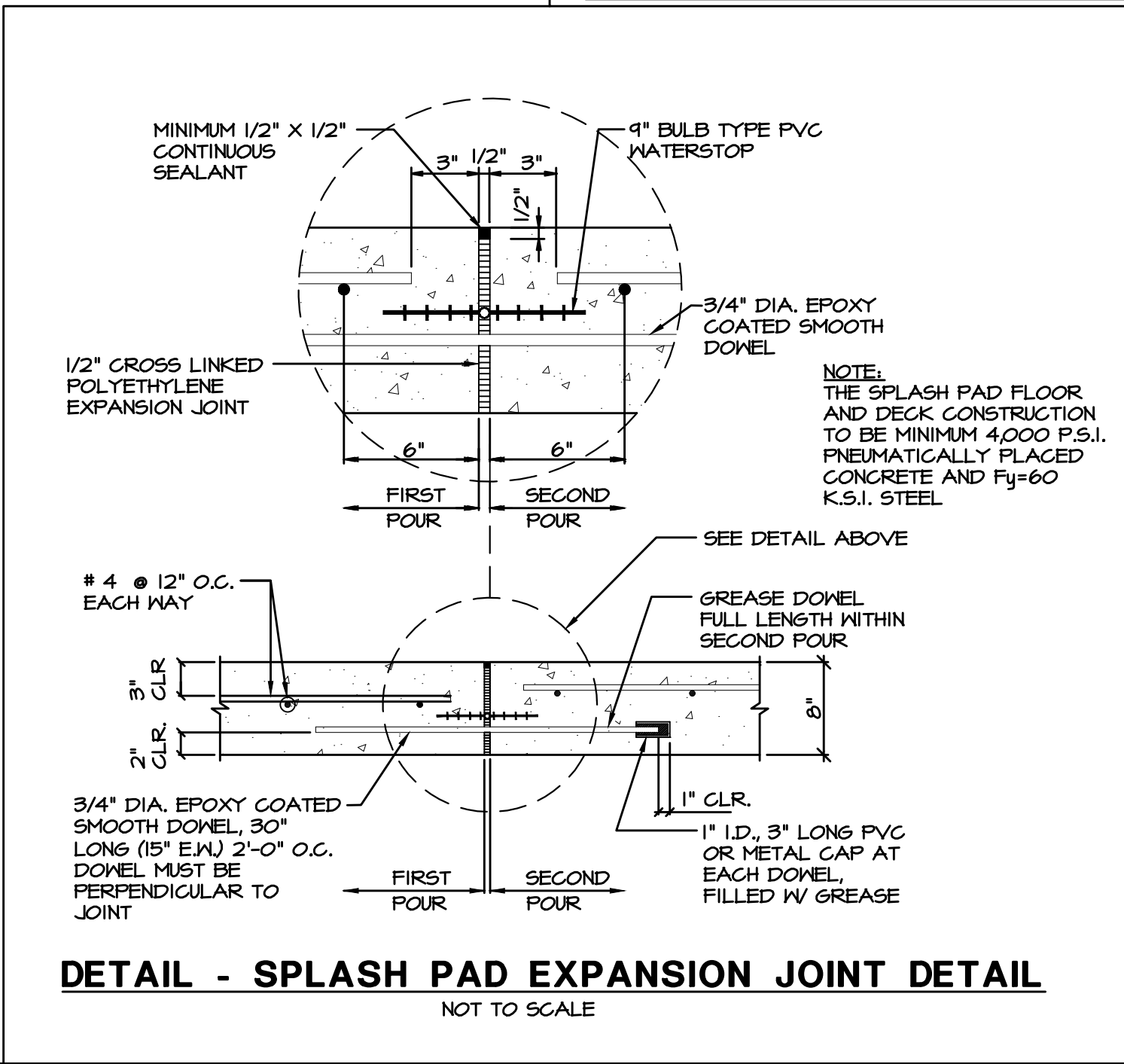
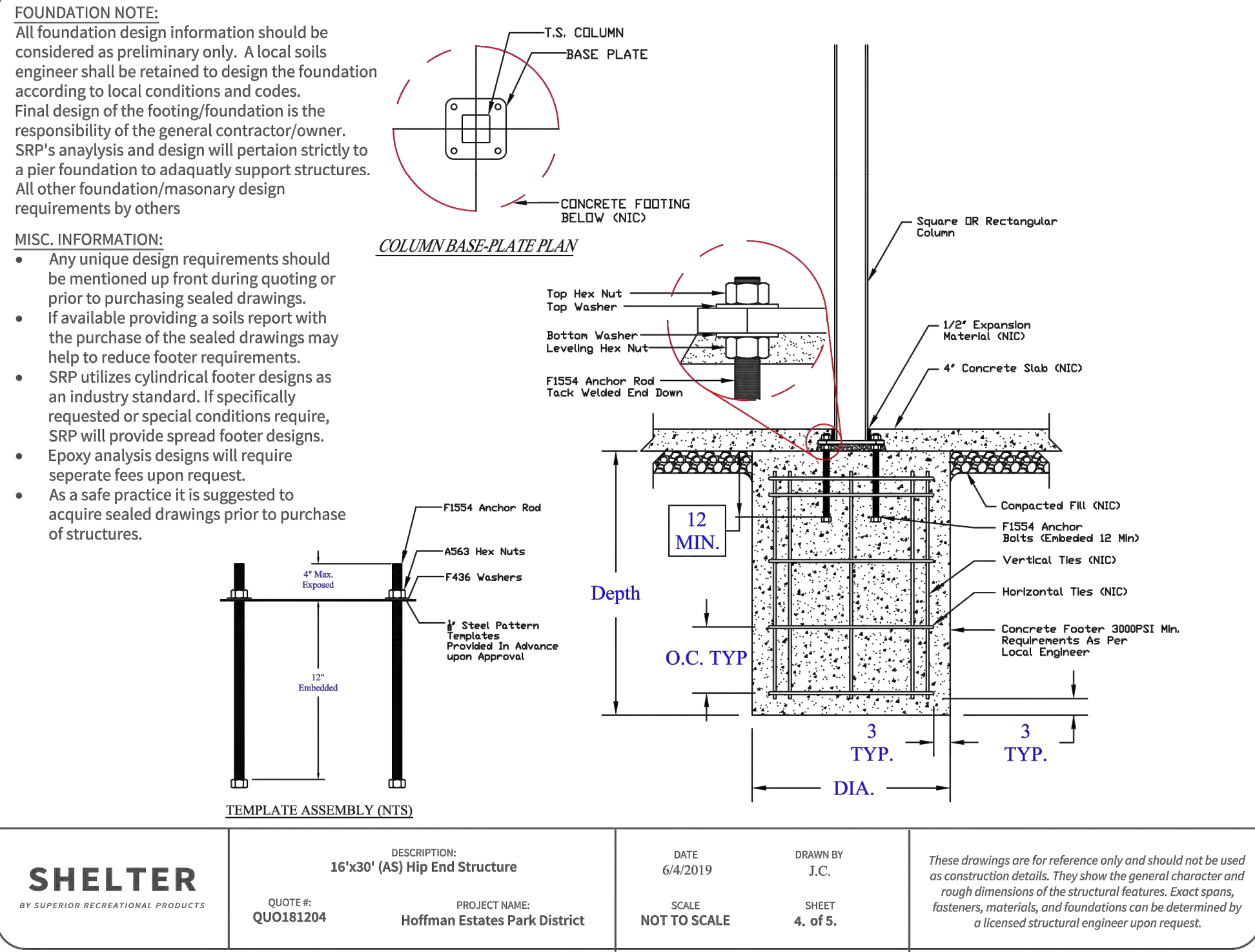
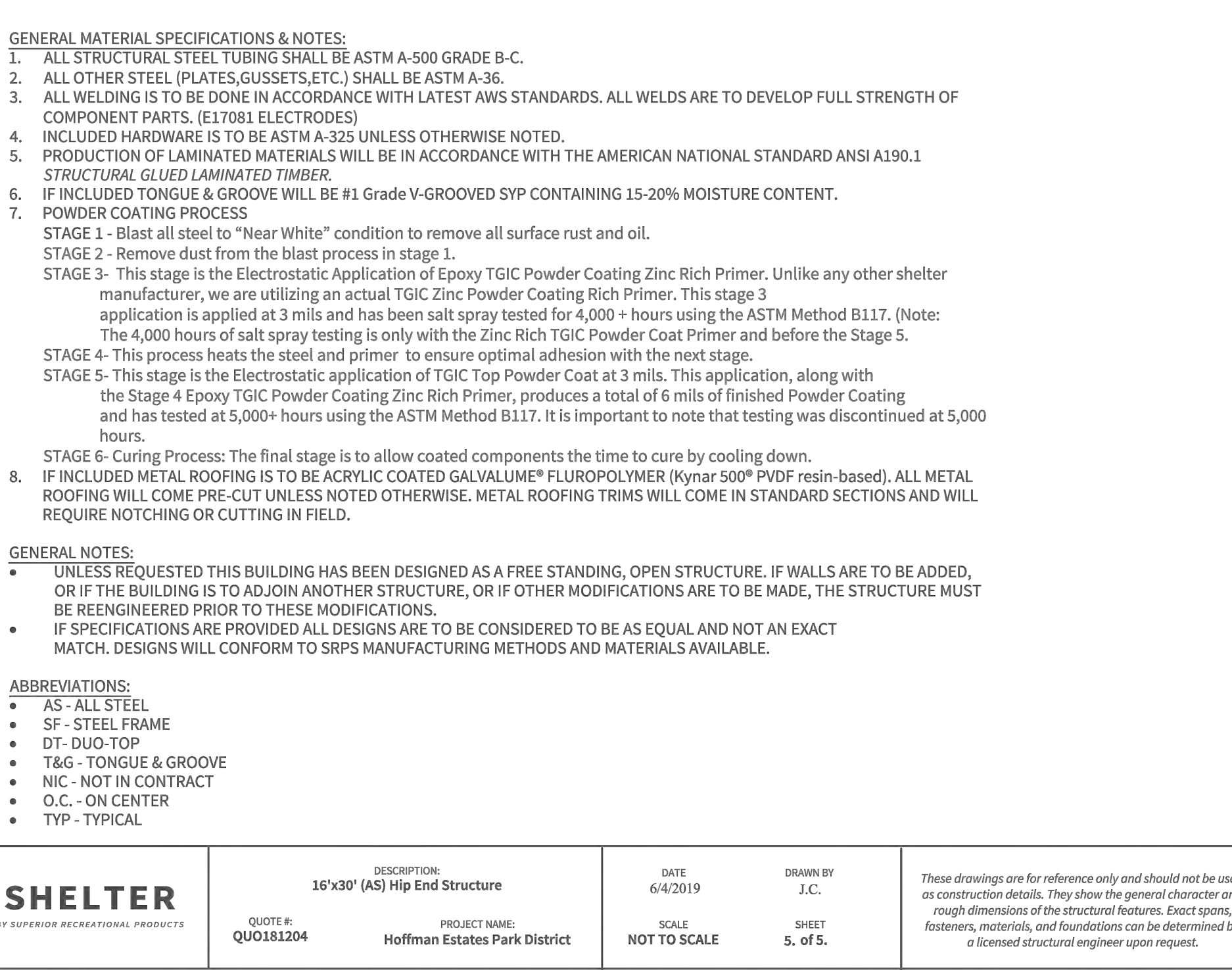
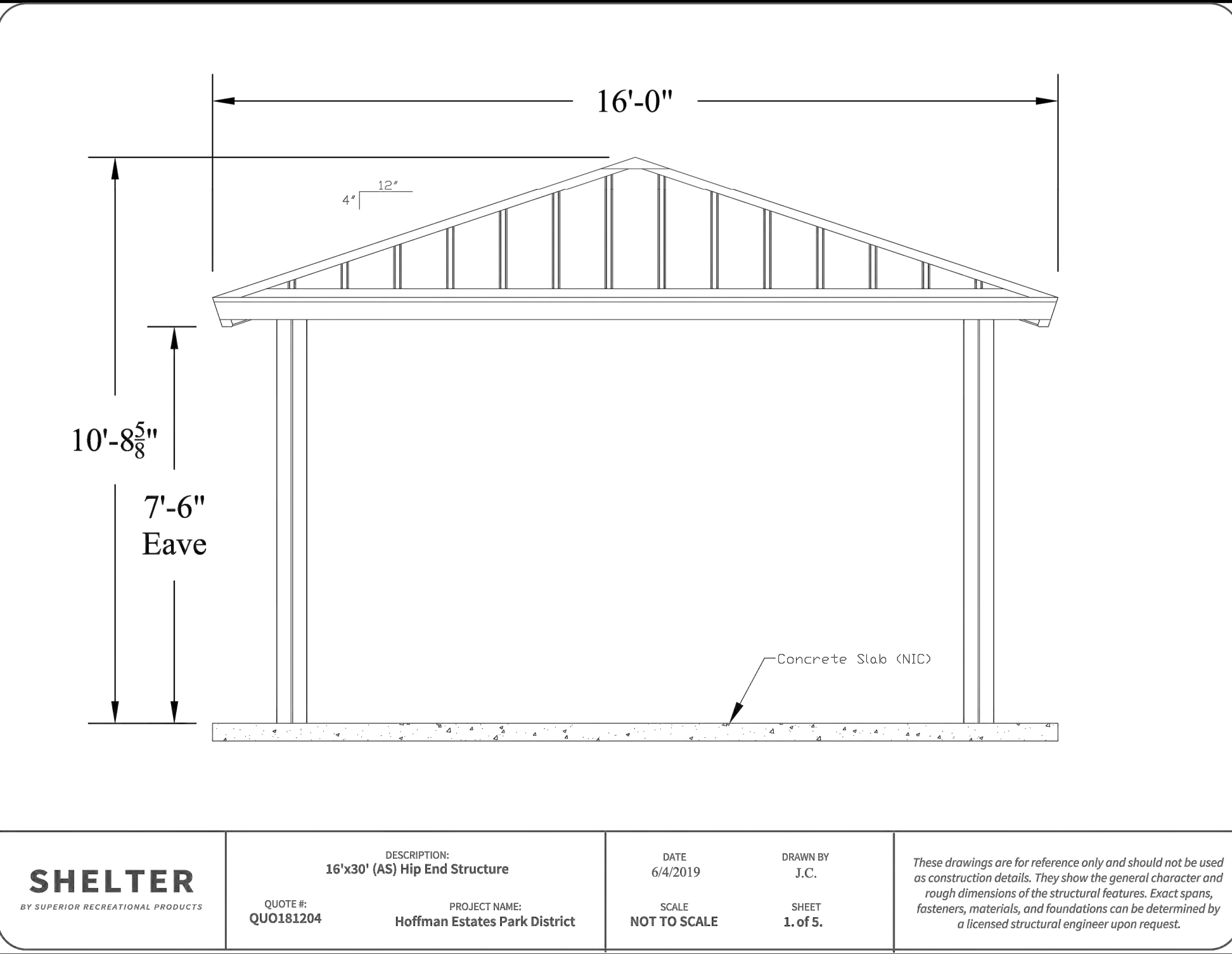
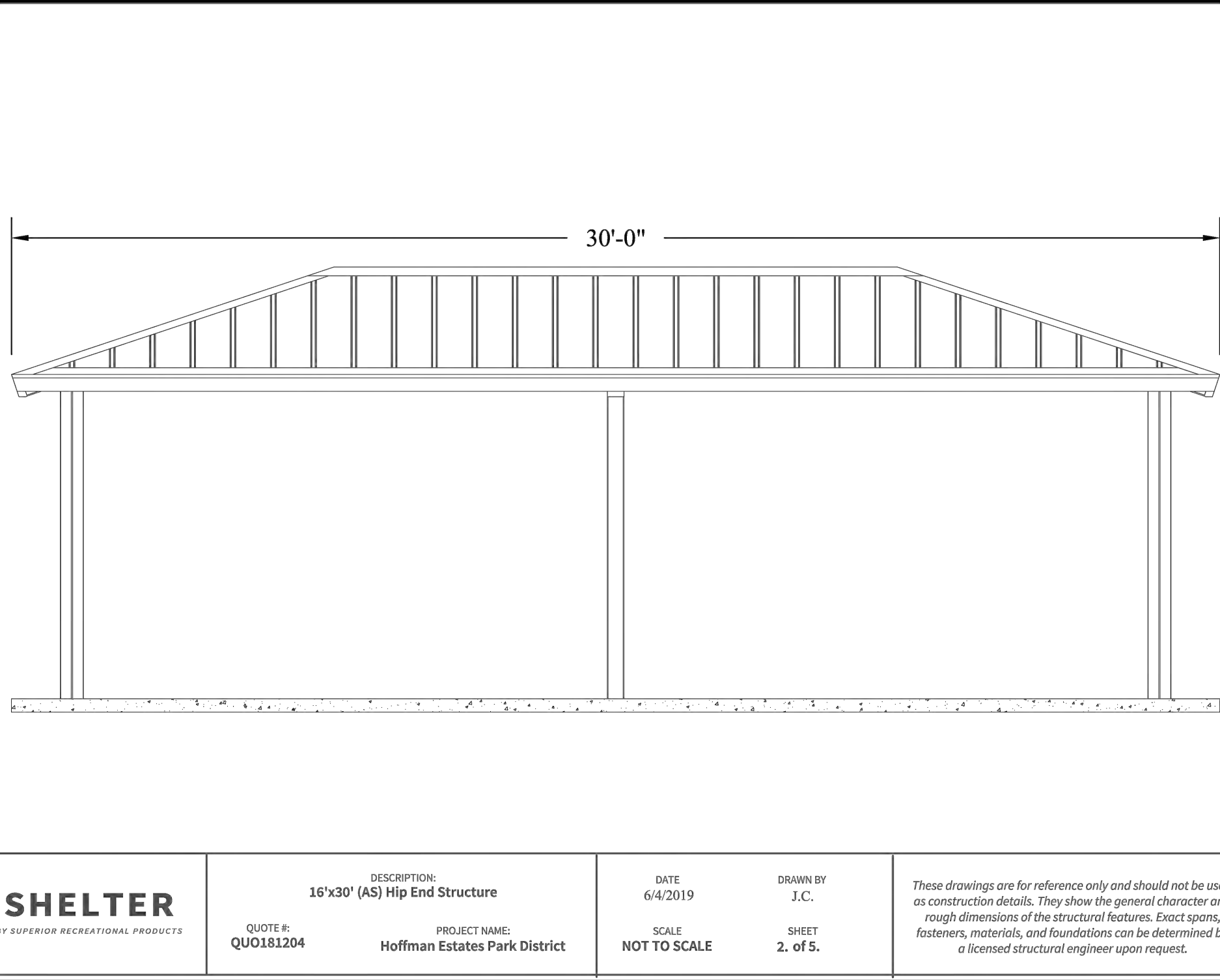
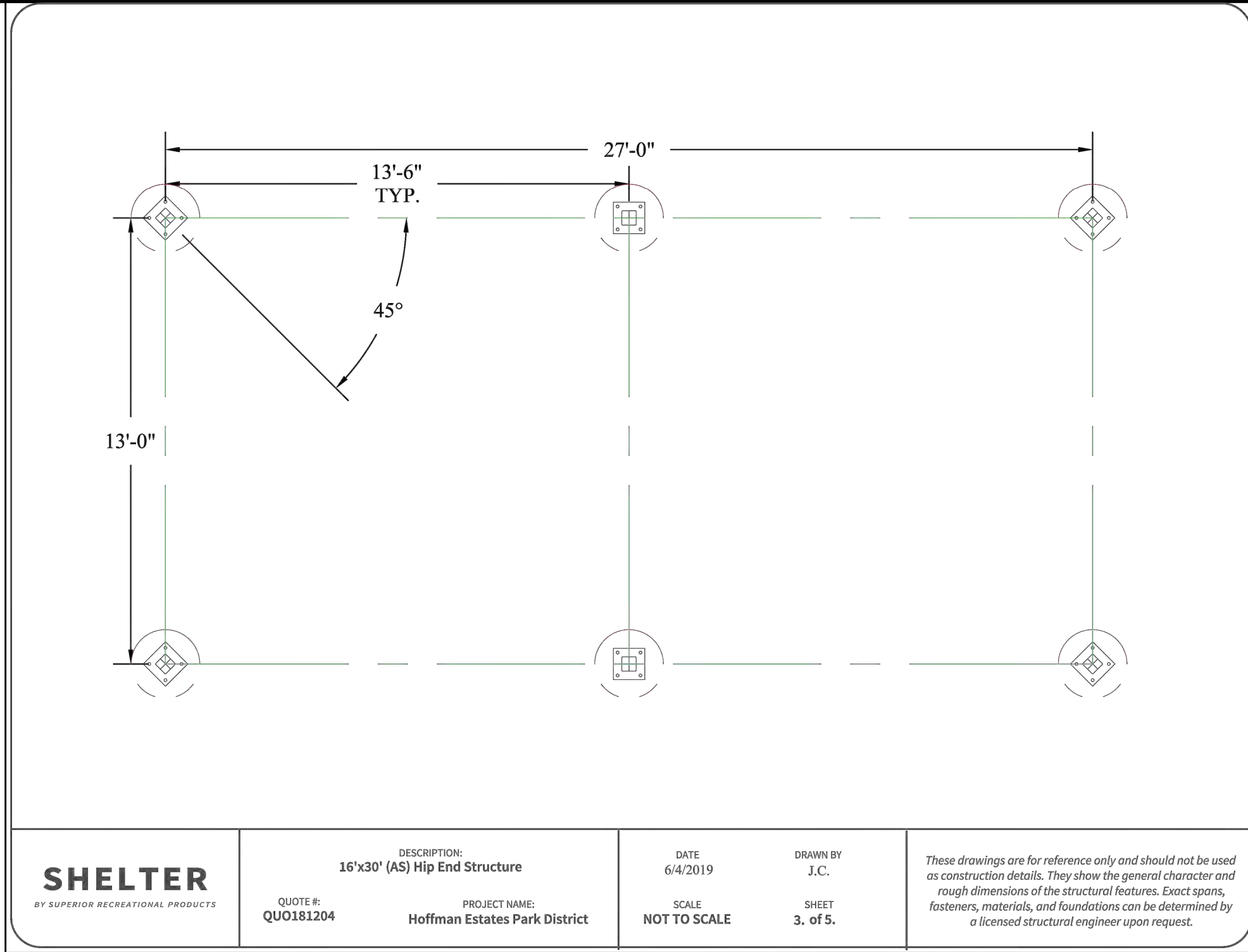
DETAIL - FREEMAN ROAD ASPHALT PAVEMENT

NOTE: PRIOR TO PLACEMENT OF STABILIZATION FABRIC, SUBGRADE IS TO BE PROOFROLLED WITH THE VILLAGE ENGINEER PRESENT. PAVEMENT MARKINGS TO BE 3M™ STAMARK™ TAPES. CHECK WITH THE VILLAGE ENGINEER FOR CURRENT MIX DESIGNS.

CROSS SECTION FOR ≥ 80 FOOT ROW			
SCALE	NONE	NO.	REVISIONS
DATE	5-25-05	1.	MISC. UPDATES
DRAFTER	SLW		BY
VILLAGE OF HOFFMAN ESTATES	FILE NAME:		SHEET NO.
TRANSPORTATION & ENGINEERING DIVISION	ROAD80.DWG		1 OF 1



DETAIL - PLAYGROUND TRANSITION CURB  
NOT TO SCALE





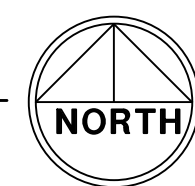
### GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- PROPOSED RIM ELEVATION
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EMERGENCY OVERFLOW ARROW
- TOP OF PAVEMENT ELEVATION
- TOP OF SIDEWALK ELEVATION
- FINISHED GRADE ELEVATION
- FINISHED FLOOR ELEVATION
- TOP OF CURB ELEVATION
- FLOW LINE ELEVATION
- ADJUST EXISTING RIM ELEVATION
- GRADE BREAK
- MATCH EXISTING ELEVATION
- INTERPOLATED SPOT GRADE
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING B-BOX
- EXISTING FLARED END SECTION
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE WITH VAULT
- PROPOSED B-BOX
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED CLOSED LID MANHOLE
- NORMAL WATER LEVEL
- WETLAND BOUNDARY
- 50' RIPARIAN BUFFER



### KEYMAP

SCALE: N.T.S.



### HATCH LEGEND

- NEW ASPHALT TRAIL
- 2" HMA SURFACE COURSE
- 8" CA-6 BASE COURSE
- NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
- NEW 5" CONCRETE SIDEWALK
- 5" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW 6" CONCRETE PAVEMENT
- 6" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW ASPHALT PAVEMENT
- 1-3/4" HMA SURFACE COURSE
- 2-1/4" HMA BINDER COURSE
- 10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY
- SEE DETAIL
- NEW CONCRETE SPLASH PAD

### EXISTING UTILITY DATA

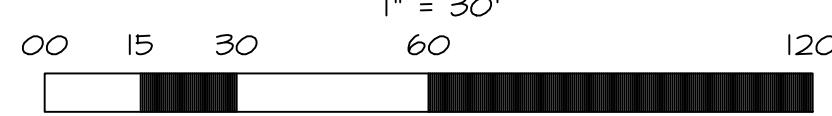
- RIM=846.83' (STORM #1)
- 48" CONCRETE STRUCTURE
- INV=843.00' (8" PVC WSW)
- INV=841.95' (12" RCP ESE)
- RIM=846.89' (STORM #2)
- 24" CONCRETE STRUCTURE
- INV=843.49' (4" PVC NW/NE)
- INV=843.47' (8" PVC ENE)
- RIM=847.36' (STORM #3)
- 48" CONCRETE STRUCTURE
- INV=840.06' (12" RCP NW)
- INV=835.03' (21" RCP SW)
- INV=835.30' (18" RCP SE)
- RIM=847.42' (STORM #4)
- 48" CONCRETE STRUCTURE
- TOP OF PIPE=843.12' (1" COPPER SW/SE)
- RIM=846.30' (STORM #5)
- 48" CONCRETE STRUCTURE
- INV=834.15' (21" RCP SW)
- INV=838.10' (10" RCP SW)
- INV=838.05' (15" RCP SE)
- INV=834.20' (24" RCP E)
- RIM=843.71' (SANITARY #13)
- 48" CONCRETE STRUCTURE
- INV=833.91' (8" CLAY W/E)
- RIM=846.92' (SANITARY #20)
- 48" CONCRETE STRUCTURE
- INV=837.99' (8" CLAY NW/NE)
- RIM=845.71' (SANITARY #22)
- 48" CONCRETE STRUCTURE
- INV=837.73' (8" CLAY W/S)
- RIM=845.20' (STORM #26)
- 24" CONCRETE STRUCTURE
- INV=842.00' (4" PVC W)
- INV=841.76' (12" RCP N)
- RIM=845.15' (STORM #28)
- 36" X 18" CONCRETE STRUCTURE
- INV=840.76' (15" RCP NW)
- INV=840.76' (12" RCP S)
- RIM=846.96' (SANITARY #29)
- 48" CONCRETE STRUCTURE
- INV=834.78' (8" CLAY NE)
- RIM=845.09' (WATER #30)
- TOP OF PIPE=840.51' (16" DIP E/W)
- TOP OF WATER=843.94'
- STRUCTURE FILLED WITH WATER
- UNABLE TO DETERMINE SIZE OF STRUCTURE
- RIM=845.73' (WATER #32)
- 60" CONCRETE STRUCTURE
- TOP OF PIPE=840.50' (16" DIP E/W)
- TOP OF PIPE=839.77' (12" DIP S)
- RIM=847.50' (SANITARY #33)
- 48" CONCRETE STRUCTURE
- INV=833.33' (8" CLAY SSW)
- INV=833.33' (8" PVC NNE)
- RIM=846.77' (SANITARY #34)
- 48" CONCRETE STRUCTURE
- INV=834.19' (8" CLAY SW/NE/SE)
- RIM=843.87' (SANITARY #35)
- 48" CONCRETE STRUCTURE
- INV=832.52' (8" CLAY NW/NE/SE/SSW)
- RIM=847.08' (WATER #38)
- TOP OF WATER=840.91' (DIP ESE)
- TOP OF WATER=844.04'
- STRUCTURE FILLED WITH WATER
- UNABLE TO REACH NE/SW LINE
- RIM=843.87' (SANITARY #40)
- 24" CONCRETE STRUCTURE
- INV=839.47' (12" RCP NW)
- RIM=859.28' (WATER #42)
- 60" CONCRETE STRUCTURE
- TOP OF BELL=852.38' (DIP E/W)
- UNABLE TO MEASURE SIZE OF PIPE

### SITE GRADING NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY DATED 6-16-2004, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY MT LAND SURVEYS INC. ON 7-24-19.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
- C. CONTRACTOR SHALL CONTACT JULLIE (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- F. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING SPOTS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- L. CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
- O. CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- P. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL REPORT DATED JULY 28, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC.
- Q. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL REPORT DATED JULY 23, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC. FOR EXISTING TOPSOIL DEPTHS.
- R. ALL INTERSECTIONS OR CHANGES IN DIRECTION ON HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- S. ALL UNCONTAMINATED EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED TO AN OFF-SITE HOFFMAN ESTATES PARK DISTRICT SITE. UP TO 600 CUBIC YARDS OF TOPSOIL SHALL BE HAULED TO THE POPULAR GOLF COURSE MAINTENANCE FACILITY LOCATED AT 1450 POPLAR CREEK DRIVE IN HOFFMAN ESTATES. CONTRACTOR SHALL COORDINATE ADDITIONAL DISPOSAL LOCATIONS WITH OWNER.

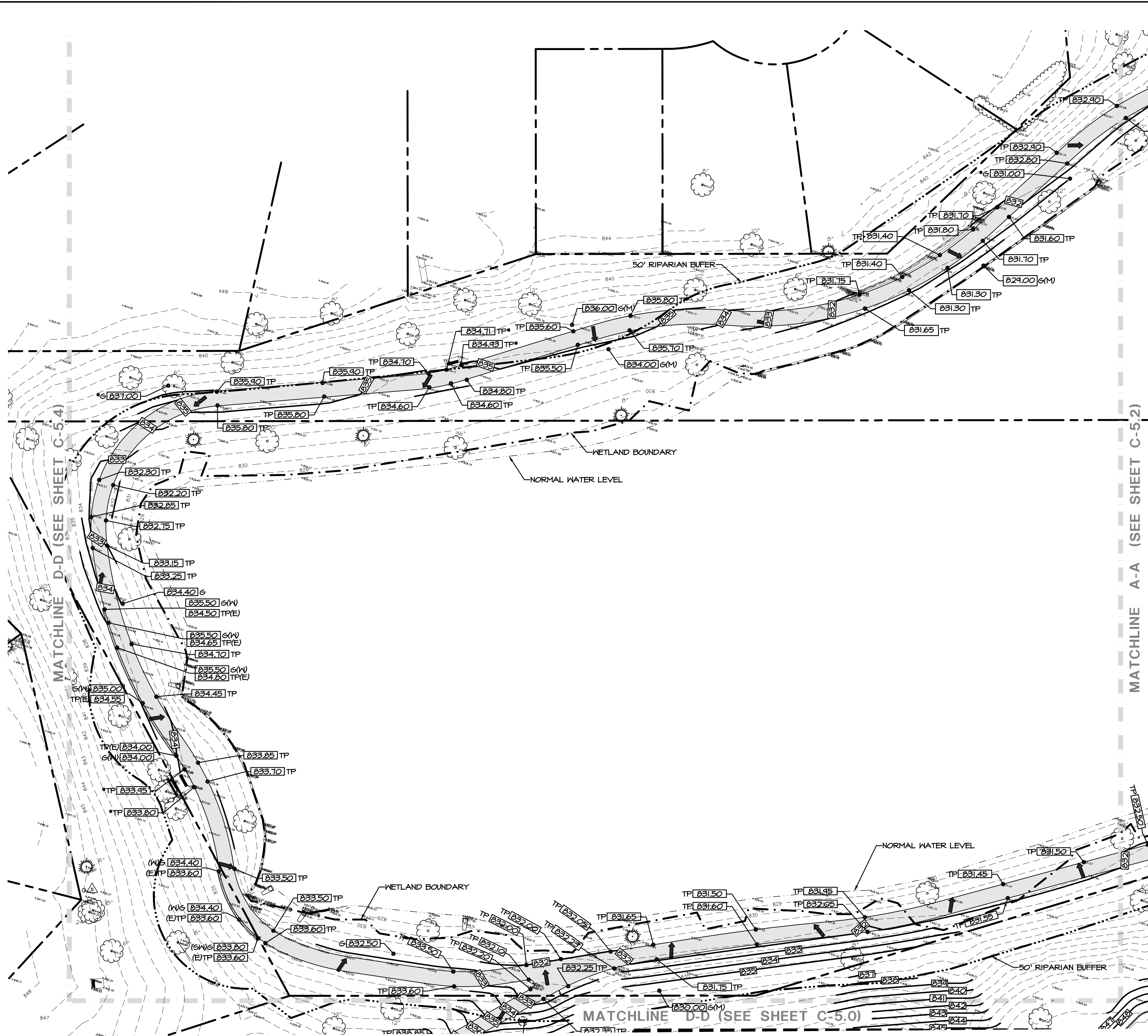
### CUL-DE-SAC EXHIBIT

SCALE: 1" = 10'



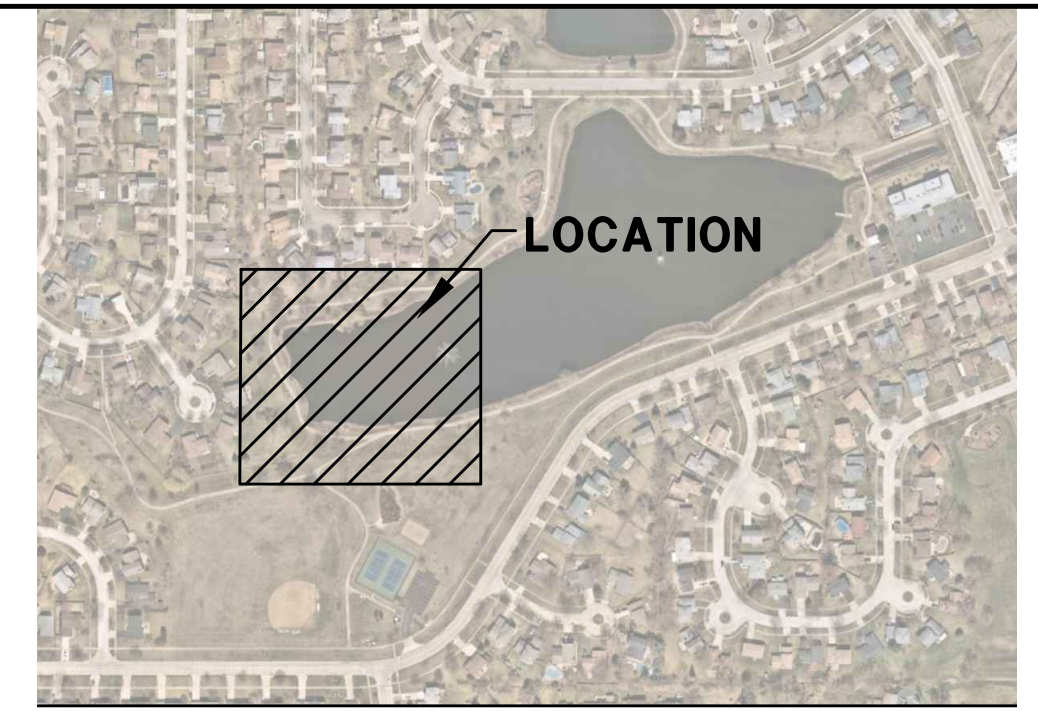
### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20



### GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- PROPOSED RIM ELEVATION
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EMERGENCY OVERFLOW ARROW
- TP TOP OF PAVEMENT ELEVATION
- TW TOP OF SIDEWALK ELEVATION
- G FINISHED GRADE ELEVATION
- FF FINISHED FLOOR ELEVATION
- TC TOP OF CURB ELEVATION
- FL FLOW LINE ELEVATION
- ADJUST ADJUST EXISTING RIM ELEVATION
- GB GRADE BREAK
- (M) MATCH EXISTING ELEVATION
- INTERPOLATED SPOT GRADE
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING B-BOX
- EXISTING FLARED END SECTION
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE WITH VAULT
- PROPOSED B-BOX
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED CLOSED LID MANHOLE
- NORMAL WATER LEVEL
- WETLAND BOUNDARY
- 50' RIPARIAN BUFFER



KEYMAP  
SCALE: N.T.S.



### HATCH LEGEND

- NEW ASPHALT TRAIL
- 2" HMA SURFACE COURSE
- 8" CA-6 BASE COURSE
- NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
- NEW 5" CONCRETE SIDEWALK
- 5" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW 6" CONCRETE PAVEMENT
- 6" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW ASPHALT PAVEMENT
- 1-3/4" HMA SURFACE COURSE
- 2-1/4" HMA BINDER COURSE
- 10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
- NEW CONCRETE SPLASH PAD

### EXISTING UTILITY DATA

- RIM=846.83' (STORM #1)
- 48" CONCRETE STRUCTURE
- INV=843.00' (8" PVC WSW)
- INV=841.95' (12" RCP ESE)
- RIM=846.89' (STORM #2)
- 24" CONCRETE STRUCTURE
- INV=843.40' (4" PVC NW/NE)
- INV=843.47' (8" PVC ENE)
- RIM=847.35' (STORM #3)
- 48" CONCRETE STRUCTURE
- INV=840.86' (12" RCP WNW)
- INV=835.03' (21" RCP SW)
- INV=835.30' (18" RCP SE)
- RIM=847.42' (STORM #4)
- 48" CONCRETE STRUCTURE
- TOP OF PIPE=843.12' (1" COPPER SW/SE)
- RIM=846.30' (STORM #5)
- 48" CONCRETE STRUCTURE
- INV=834.15' (21" RCP W)
- INV=838.10' (10" RCP SW)
- INV=838.65' (15" RCP SE)
- INV=834.20' (24" RCP E)
- RIM=843.71' (SANITARY #13)
- 48" CONCRETE STRUCTURE
- INV=833.91' (8" CLAY W/E)
- RIM=846.92' (SANITARY #20)
- 48" CONCRETE STRUCTURE
- INV=837.99' (8" CLAY WNW/E)
- RIM=845.71' (SANITARY #22)
- 48" CONCRETE STRUCTURE
- INV=837.73' (8" CLAY W/S)
- RIM=845.20' (STORM #26)
- 24" CONCRETE STRUCTURE
- INV=842.00' (4" PVC W)
- INV=841.76' (12" RCP N)
- RIM=845.15' (STORM #28)
- 48" CONCRETE STRUCTURE
- INV=840.76' (15" RCP NW)
- INV=840.76' (12" RCP S)
- RIM=846.96' (SANITARY #29)
- 48" CONCRETE STRUCTURE
- INV=834.78' (8" CLAY NE)
- RIM=845.09' (WATER #30)
- TOP OF PIPE=840.51' (16" DIP E/W)
- TOP OF WATER=843.94'
- STRUCTURE FILLED WITH WATER
- UNABLE TO DETERMINE SIZE OF STRUCTURE
- RIM=845.79' (WATER #32)
- 60" CONCRETE STRUCTURE
- TOP OF PIPE=840.50' (16" DIP E/W)
- TOP OF PIPE=839.77' (12" DIP S)
- RIM=847.50' (SANITARY #33)
- 48" CONCRETE STRUCTURE
- INV=833.33' (8" CLAY SSW)
- INV=833.33' (8" PVC NNW)
- RIM=846.77' (SANITARY #34)
- 48" CONCRETE STRUCTURE
- INV=834.19' (8" CLAY SW/NE/ESE)
- RIM=843.87' (SANITARY #35)
- 48" CONCRETE STRUCTURE
- INV=832.52' (8" CLAY WNW/NE/ESE/SSW)
- RIM=847.08' (WATER #38)
- TOP OF PIPE=840.91' (DIP ESE)
- TOP OF WATER=844.04'
- STRUCTURE FILLED WITH WATER
- UNABLE TO REACH NE/SW LINE
- RIM=842.44' (STORM #40)
- 24" CONCRETE STRUCTURE
- INV=839.47' (12" RCP NNW)
- RIM=859.28' (WATER #42)
- 60" CONCRETE STRUCTURE
- TOP OF BELL=852.38' (DIP E/W)
- UNABLE TO MEASURE SIZE OF PIPE

### SITE GRADING NOTES:

- A. EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2004, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- A.A. ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY MT LAND SURVEYING INC. ON 7-24-19.
- B. ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, IE TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
- C. CONTRACTOR SHALL CONTACT JULLIE, (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- D. CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
- E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- F. CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- G. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- H. ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- I. ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING SPOTS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- J. VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR HALL OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- K. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- L. CONSTRUCTION ACCESS ROUTES SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- M. ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- N. ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
- O. CONTRACTOR TO PROVIDE ALL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- P. PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL REPORT DATED JULY 23, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC.
- Q. ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED, REFER TO THE GEOTECHNICAL REPORT DATED JULY 23, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC FOR EXISTING TOPSOIL DEPTHS.
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- S. ALL UNCONTAMINATED EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED TO AN OFF-SITE HOFFMAN ESTATES PARK DISTRICT SITE, UP TO 600 CUBIC YARDS OF TOPSOIL SHALL BE HAULED TO THE POPLAR GOLF COURSE MAINTENANCE FACILITY LOCATED AT 1450 POPLAR CREEK DRIVE IN HOFFMAN ESTATES. CONTRACTOR SHALL COORDINATE ADDITIONAL DISPOSAL LOCATIONS WITH OWNER.



1" = 30'  
00 15 30 60 120

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AQUATIC \ CIVIL \ MECHANICAL \ ELECTRICAL \ PLUMBING \ TELECOMMUNICATION \ STRUCTURAL \ ACCESSIBILITY CONSULTING \ DESIGN & PROGRAM MANAGEMENT \ LAND SURVEY

SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

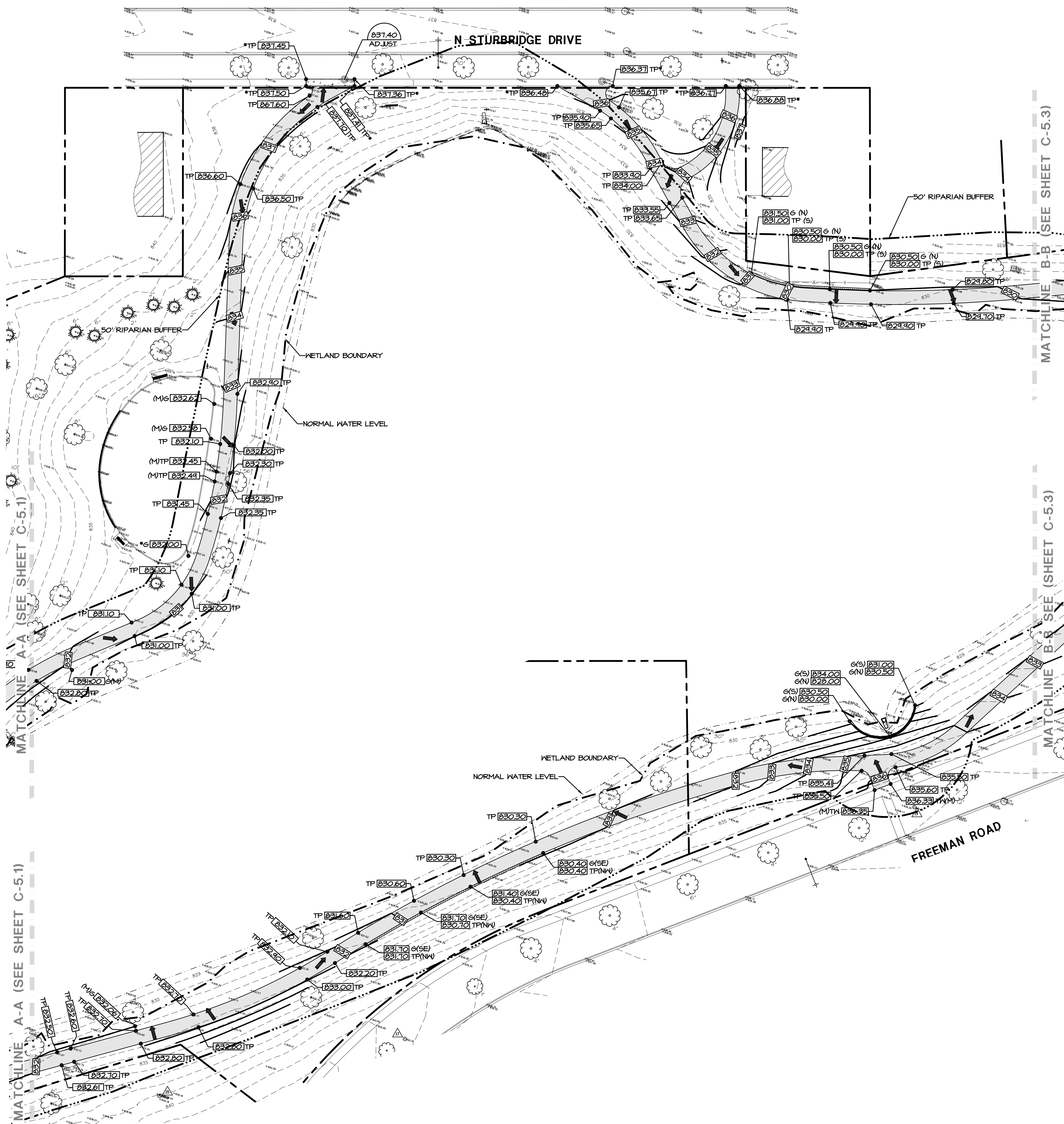
heparks  
making life fun

ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
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MWRD	1/2/20
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FOR BID	1/23/20

CHECK: CMS  
DRAWN: PS  
1911354C

C-5.1  
SITE GRADING PLAN



### GRADING LEGEND

	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	PROPOSED RIM ELEVATION
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	OVERLAND FLOW ARROW
	100 YEAR OVERLAND FLOW ROUTE
	EMERGENCY OVERFLOW ARROW
	TOP OF PAVEMENT ELEVATION
	TOP OF SIDEWALK ELEVATION
	FINISHED GRADE ELEVATION
	FINISHED FLOOR ELEVATION
	TOP OF CURB ELEVATION
	FLOW LINE ELEVATION
	ADJUST EXISTING RIM ELEVATION
	GRADE BREAK
	MATCH EXISTING ELEVATION
	INTERPOLATED SPOT GRADE
	EXISTING MANHOLE
	EXISTING WATER STRUCTURE
	EXISTING FIRE HYDRANT
	EXISTING B-BX
	EXISTING FLARED END SECTION
	PROPOSED FIRE HYDRANT
	PROPOSED VALVE WITH VAULT
	PROPOSED B-BX
	PROPOSED INLET
	PROPOSED CATCH BASIN
	PROPOSED CLOSED LID MANHOLE
	NORMAL WATER LEVEL
	WETLAND BOUNDARY
	50' RIPARIAN BUFFER

### EXISTING UTILITY DATA

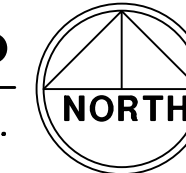
	RIM=839.68' (SANITARY #15) 48" CONCRETE STRUCTURE INV=833.08' (8" CLAY W.)
	RIM=840.09' (STORM #17) 48" CONCRETE STRUCTURE INV=832.72' (15" RCP NE) INV=832.81' (12" RCP SSE) INV=833.92' (15" RCP S)
	RIM=836.08' (STORM #19) 60" CONCRETE STRUCTURE INV=828.19' (15" RCP SW/ENE) INV=828.19' (18" RCP SE/S) INV=828.19' (24" RCP N)
	RIM=839.39' (STORM #27) 24" CONCRETE STRUCTURE INV=835.91' (15" RCP N) INV=836.01' (12" RCP SSE)

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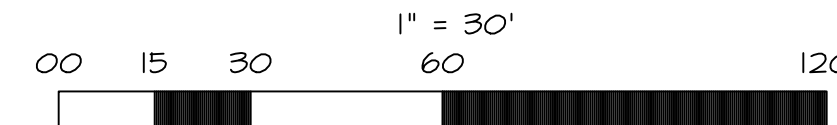
### KEYMAP

SCALE: N.T.S.



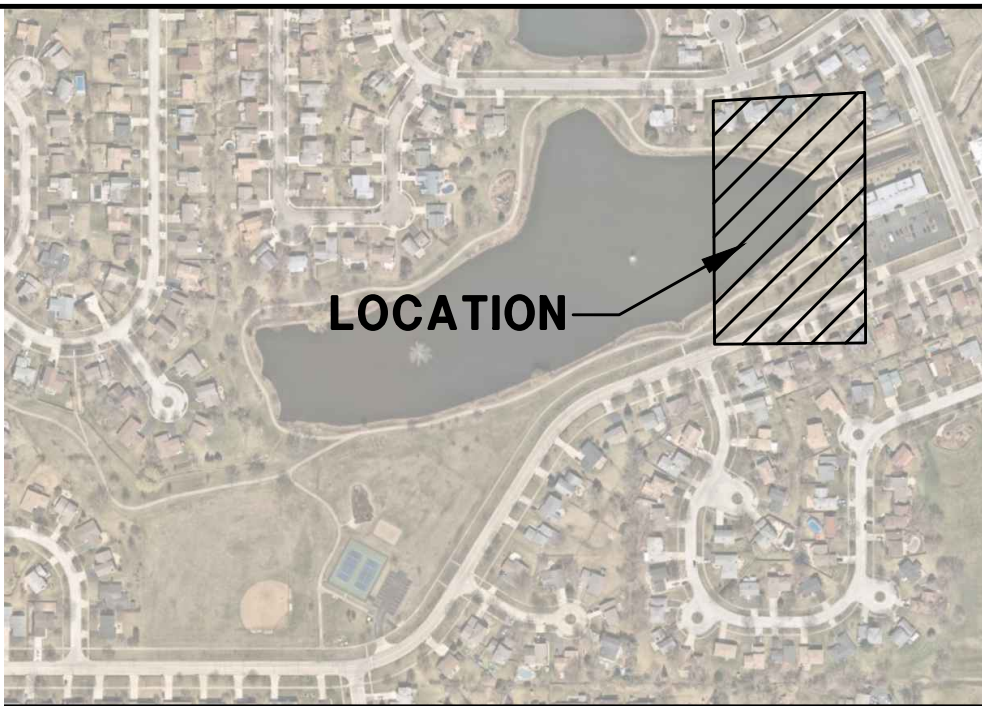
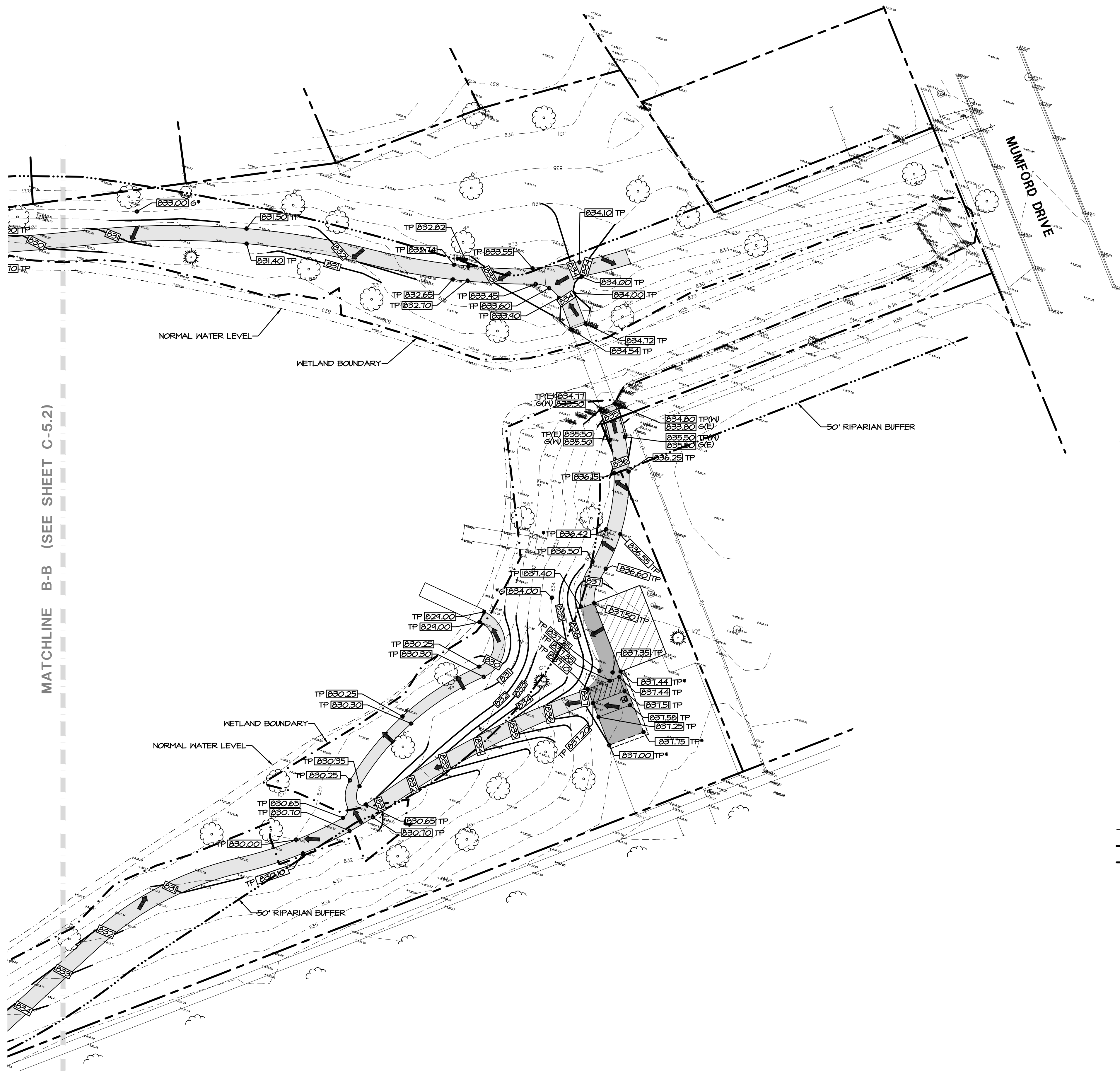
### HATCH LEGEND

	NEW ASPHALT TRAIL
	2" HMA SURFACE COURSE
	8" CA-6 BASE COURSE
	NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
	NEW 5" CONCRETE SIDEWALK
	5" PORTLAND CEMENT CONCRETE
	4" CA-6 BASE COURSE
	NEW 6" CONCRETE PAVEMENT
	6" PORTLAND CEMENT CONCRETE
	4" CA-6 BASE COURSE
	NEW ASPHALT PAVEMENT
	1-3/4" HMA SURFACE COURSE
	2-1/4" HMA BINDER COURSE
	10" CA-6 BASE COURSE
	NEW 1-3/4" ASPHALT MILL & OVERLAY
	NEW CONCRETE SPLASH PAD



### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20



**KEYMAP**  
SCALE: N.T.S.



### HATCH LEGEND

- NEW ASPHALT TRAIL
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- 2-1/4" HMA BINDER COURSE
- 10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
- NEW CONCRETE SPLASH PAD

### GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- PROPOSED RIM ELEVATION
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EMERGENCY OVERFLOW ARROW
- TP TOP OF PAVEMENT ELEVATION
- TH TOP OF SIDEWALK ELEVATION
- G FINISHED GRADE ELEVATION
- FF FINISHED FLOOR ELEVATION
- TC TOP OF CURB ELEVATION
- FL FLOW LINE ELEVATION
- ADJUST ADJUST EXISTING RIM ELEVATION
- GB GRADE BREAK
- (M) MATCH EXISTING ELEVATION
- INTERPOLATED SPOT GRADE
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING B-BOX
- EXISTING FLARED END SECTION
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- NORMAL WATER LEVEL
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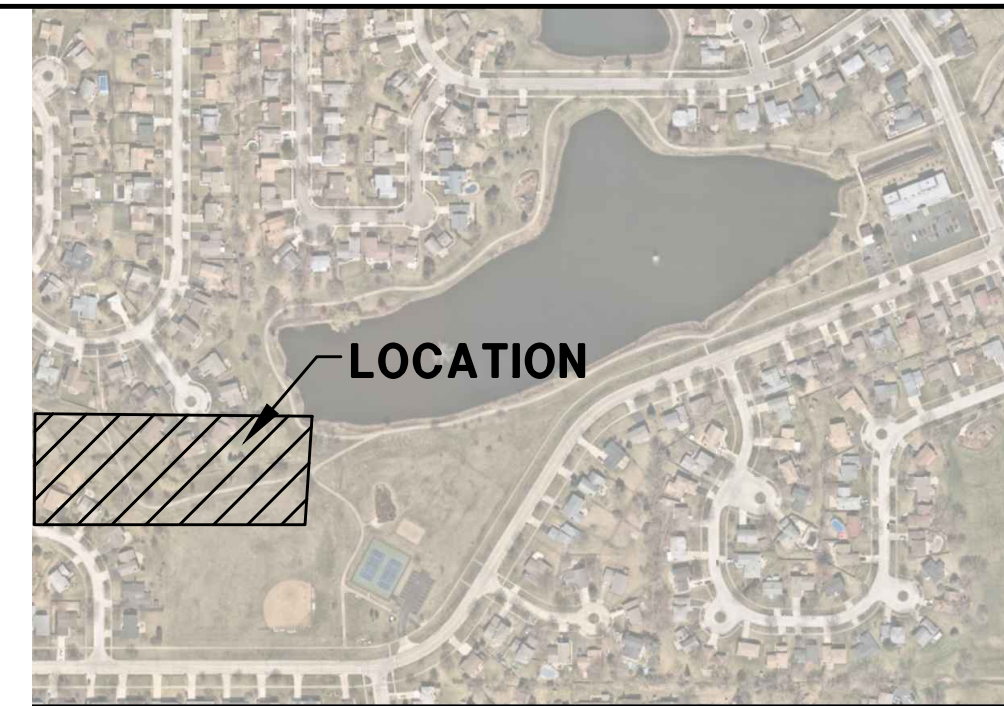
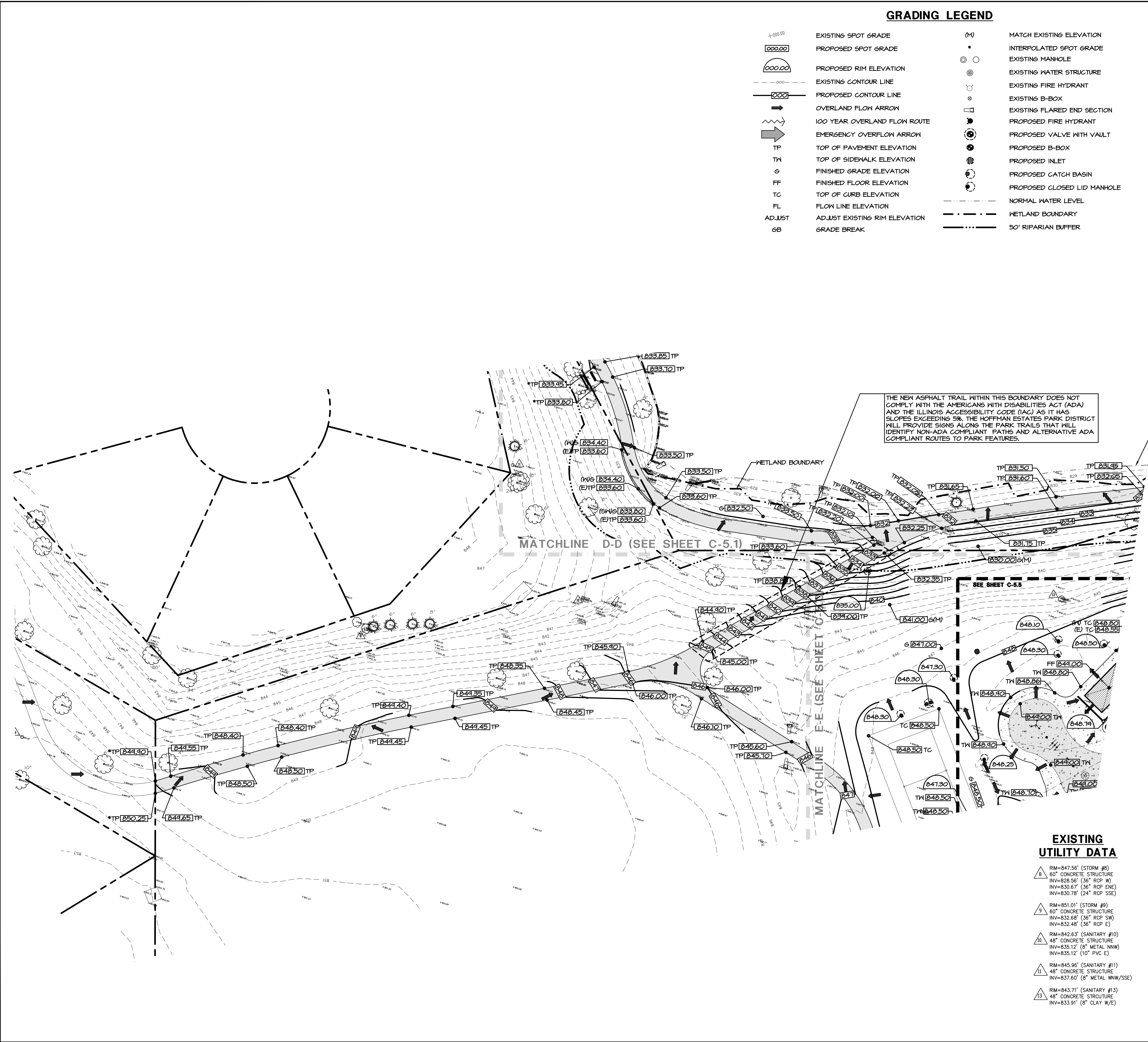
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1911354C



**HATCH LEGEND**

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- VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24' THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT.
- ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
- ALL EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED FROM THE SITE AND LEGALLY DISPOSED OF.
- CONTRACTOR TO PROVIDE SOIL TESTING SERVICES FOR COMPLETION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S LPC-662 AND/OR LPC-663 FORMS AS PART OF THEIR CONTRACT.
- PREPARE SUBGRADE AS SPECIFIED WITHIN THE GEOTECHNICAL REPORT DATED JULY 23, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC.
- ALL TOPSOIL BENEATH PROPOSED STRUCTURES AND PAVEMENT SHALL BE REMOVED. REFER TO THE GEOTECHNICAL REPORT DATED JULY 23, 2019 PREPARED BY ILLINOIS DRILLING & TESTING CO., INC FOR EXISTING TOPSOIL DEPTHS.
- ALL INTERSECTIONS OR CHANGES IN DIRECTION ON HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- ALL UNCONTAMINATED EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED TO AN OFF-SITE HOFFMAN ESTATES PARK DISTRICT SITE, UP TO 600 CUBIC YARDS OF TOPSOIL SHALL BE HAULED TO THE POPLAR GOLF COURSE MAINTENANCE FACILITY LOCATED AT 1450 POPLAR CREEK DRIVE IN HOFFMAN ESTATES. CONTRACTOR SHALL COORDINATE ADDITIONAL DISPOSAL LOCATIONS WITH OWNER.

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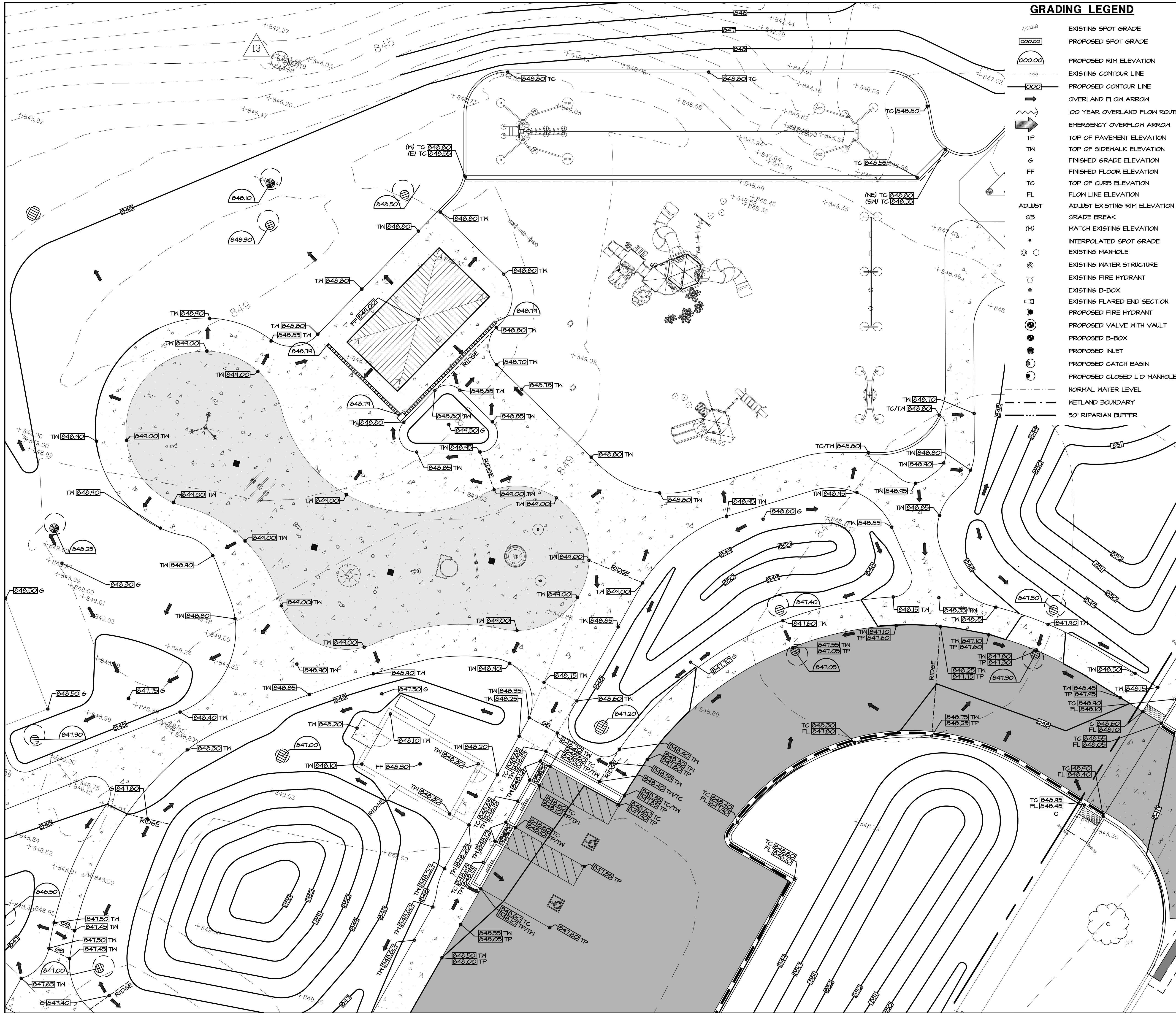
**heparks**  
making life fun

**ISSUE**

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

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**C-5.4**  
SITE GRADING PLAN



### GRADING LEGEND

- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- PROPOSED RIM ELEVATION
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- OVERLAND FLOW ARROW
- 100 YEAR OVERLAND FLOW ROUTE
- EMERGENCY OVERFLOW ARROW
- TP TOP OF PAVEMENT ELEVATION
- TW TOP OF SIDEWALK ELEVATION
- G FINISHED GRADE ELEVATION
- FF FINISHED FLOOR ELEVATION
- TC TOP OF CURB ELEVATION
- FL FLOW LINE ELEVATION
- ADJUST ADJUST EXISTING RIM ELEVATION
- GB GRADE BREAK
- (M) MATCH EXISTING ELEVATION
- INTERPOLATED SPOT GRADE
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING FLARED END SECTION
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE WITH VAULT
- PROPOSED B-BOX
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED CLOSED LID MANHOLE
- NORMAL WATER LEVEL
- WETLAND BOUNDARY
- 50' RIPARIAN BUFFER

KEYMAP  
SCALE: N.T.S.



### HATCH LEGEND

- NEW ASPHALT TRAIL
- 2" HMA SURFACE COURSE
- 8" CA-6 BASE COURSE
- NEW ROADWAY PAVEMENT TO MATCH EXISTING CROSS SECTION
- NEW 5" CONCRETE SIDEWALK
- 5" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW 6" CONCRETE PAVEMENT
- 6" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW ASPHALT PAVEMENT
- 1-3/4" HMA SURFACE COURSE
- 2-1/4" HMA BINDER COURSE
- 10" CA-6 BASE COURSE
- NEW 1-3/4" ASPHALT MILL & OVERLAY SEE DETAIL
- NEW CONCRETE SPLASH PAD

### SITE GRADING NOTES:

- EXISTING CONDITIONS AND TOPOGRAPHY SHOWN REPRESENTS SITE CONDITIONS PER THE PLAT OF SURVEY LAST DATED 6-16-2009, PREPARED BY ENGINEERING RESOURCE ASSOCIATES INC. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND CONDITIONS (INCLUDING BUT NOT LIMITED TO VERIFICATION OF CONTROL AND ALL UTILITIES WHETHER DEPICTED OR NOT) PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ADDITIONAL EXISTING TOPOGRAPHY AND UTILITY DATA SHOWN REPRESENTS SITE CONDITIONS MEASURED BY WT LAND SURVEYING INC. ON T-24-14.
- ALL PROPOSED GRADES ARE GIVEN TO FINISHED GRADE, I.E. TOP OF PROPOSED ASPHALT, CONCRETE, TOP OF PROPOSED CURB, ETC. SEE DETAILS FOR PAVEMENT THICKNESS.
- CONTRACTOR SHALL CONTACT JULLIE (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE END OF EACH WORKING DAY DURING CONSTRUCTION OPERATIONS. FAILURE TO PROVIDE ADEQUATE DRAINAGE WILL PRECLUDE THE CONTRACTOR FROM ANY POSSIBLE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- CONTRACTOR SHALL REPAIR AT HIS EXPENSE ANY DAMAGE TO EXISTING ASPHALT, CONCRETE, CURBS, SIDEWALKS, ETC. RESULTING FROM CONSTRUCTION TRAFFIC AND/OR OPERATIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- ALL EXISTING TREES SHOWN ARE TO REMAIN UNLESS OTHERWISE NOTED.
- ALL HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM CROSS SLOPE OF 2.00% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%. ACCESSIBLE PARKING STALLS SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED BUILDING, PAVEMENT, OR WALK OR WITHIN 24" THEREOF SHALL BE BACKFILLED WITH ENGINEERED FILL ACCORDING TO THE GEOTECHNICAL REPORT. ALL FIRE ACCESS LANES WITHIN THE PROJECT AREA SHALL REMAIN IN SERVICE, CLEAN OF DEBRIS, AND ACCESSIBLE FOR USE BY EMERGENCY VEHICLES.
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL EXISTING SUBGRADE TO BE SCARIFIED (DISKED) TO A DEPTH OF 12" AND RE-COMPACTED, AND THEN TESTED USING A DYNAMIC CONE PENETROMETER. SEE GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.
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- ALL EXISTING OR CHANGES IN DIRECTION ON HANDICAP ACCESSIBLE ROUTES (SIDEWALKS, WALKWAYS, PAVEMENTS, ETC.) SHALL MAINTAIN A MAXIMUM SLOPE OF 2.00% IN ALL DIRECTIONS.
- ALL UNCONTAMINATED EXCESS SOILS THAT CANNOT BE USED AS SUITABLE FILL SHALL BE HAULED TO AN OFF-SITE HOFFMAN ESTATES PARK DISTRICT SITE, UP TO 600 YARDS FROM TOPSOIL SHALL BE HAULED TO THE POPLAR GOLF COURSE MAINTENANCE FACILITY LOCATED AT 1450 POPLAR CREEK DRIVE IN HOFFMAN ESTATES. CONTRACTOR SHALL COORDINATE ADDITIONAL DISPOSAL LOCATIONS WITH OWNER.



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SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

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ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
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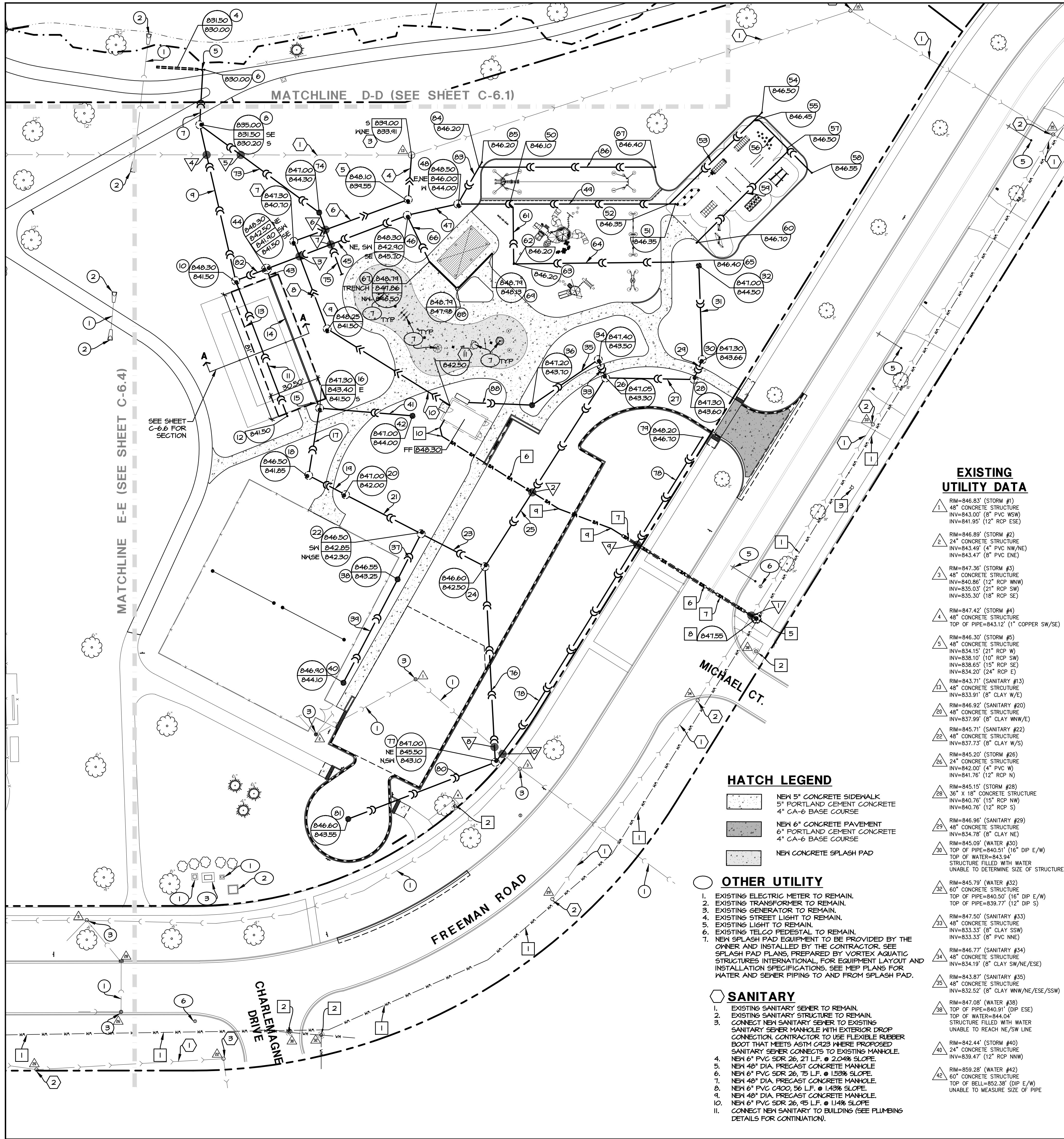
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C-5.5

SITE GRADING PLAN



## STORM SEWER

- EXISTING STORM SEWER TO REMAIN.
- EXISTING FLARED END SECTION TO REMAIN.
- EXISTING STORM STRUCTURE TO REMAIN.
- NEW 12" PERFORATED ADS SLOTTED DRAIN, 25 L.F.
- NEW 12"x12" HDPE WYE FITTING.
- NEW 6" CLEANOUT.
- NEW 12" HDPE, 33 L.F. @ 0.60% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CLOSED LID MANHOLE.
- NEW 12" HDPE, 91 L.F. @ 1.6% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 4" PERFORATED HDPE, 101 L.F. @ 0% SLOPE.
- NEW CLEANOUT.
- NEW GRAVEL FILTRATION BASIN. (SEE SECTION A-A ON SHEET C-6.6).
- NEW 18" PERFORATED HDPE LEVEL SPREADER, 88 L.F.
- NEW 12" HDPE, 5 L.F. @ 0% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
- NEW 15" RCP, 41 L.F. @ 0.85% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 12" RCP, 25 L.F. @ 0.60% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 15" PVC SDR 26, 52 L.F. @ 0.50% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 15" RCP, 44 L.F. @ 0.45% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
- NEW 12" RCP, 136 L.F. @ 0.54% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 12" RCP, 54 L.F. @ 0.56% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 12" RCP, 12 L.F. @ 1.67% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 8" HDPE, 44 L.F. @ 1.43% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 8" PVC, 31 L.F. @ 1.24% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 8" PVC, 71 L.F. @ 1.32% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 12" RCP, 51 L.F. @ 1.10% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
- NEW 12" DIA. PRECAST CONCRETE CATCH BASIN WITH OVERFLOW PIPE. (SEE DETAIL ON SHEET C-6.7).
- NEW 12" HDPE, 92 L.F. @ 0.43% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 8" HDPE, 36 L.F. @ 3.00% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 4" PERFORATED PVC SDR 26, 122 L.F. @ 0.24% SLOPE.
- NEW 4"x4" WYE FITTING.
- NEW PLAYGROUND CLEANOUT.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.14% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.13% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4" PERFORATED PVC SDR 26, 34 L.F. @ 0.26% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4" DIP CL52, 31 L.F. @ 2.58% SLOPE.
- NEW TYPE K100 ACO TRENCH DRAIN WITH 4" BOTTOM HUB OUTLET AND 45ID STAINLESS STEEL GRATE, 23 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- NEW TYPE K100 ACO TRENCH DRAIN WITH 45ID STAINLESS STEEL GRATE, 30 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- NEW ACO K1-6216 CATCH BASIN LOAD CLASS E. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- NEW 24" RCP, 8 L.F. @ 2.00% SLOPE. CONNECT TO EXISTING 24" RCP WITH ALL FITTINGS REQUIRED.
- EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR.
- NEW 6" PVC SDR 26, 40 L.F. @ 14.2% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE INLET WITH SOLID LID.
- NEW 6" PVC SDR 40, 40 L.F. @ 1% SLOPE. SEE SPLASH PAD PLANS FOR CONTINUATION.
- NEW 12" RCP, 114 L.F. @ 0.50% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW PERFORATED 6" HDPE UNDERDRAIN, 233 L.F. @ 0.52% SLOPE.
- NEW 6" CLEANOUT.
- NEW 12" RCP, 45 L.F. @ 0.41% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE INLET WITH OPEN RIM.
- NEW 12" HDPE, 20 L.F. @ 2.00% SLOPE.
- NEW 4" PERFORATED PVC SDR 26, 24 L.F. @ 0.64% SLOPE.
- NEW 4"x4" WYE FITTING.
- NEW 6" CLEANOUT.
- NEW 4" PERFORATED PVC SDR 26, 101 L.F. @ 0.14% SLOPE.
- NEW 6" CLEANOUT.
- NEW 4" SCHEDULE 40 PIPE, 34 L.F. @ 2% SLOPE FOR SHUTDOWN PIT. PROVIDE GRATE ON TOP OF PIPE.

## EXISTING UTILITY DATA

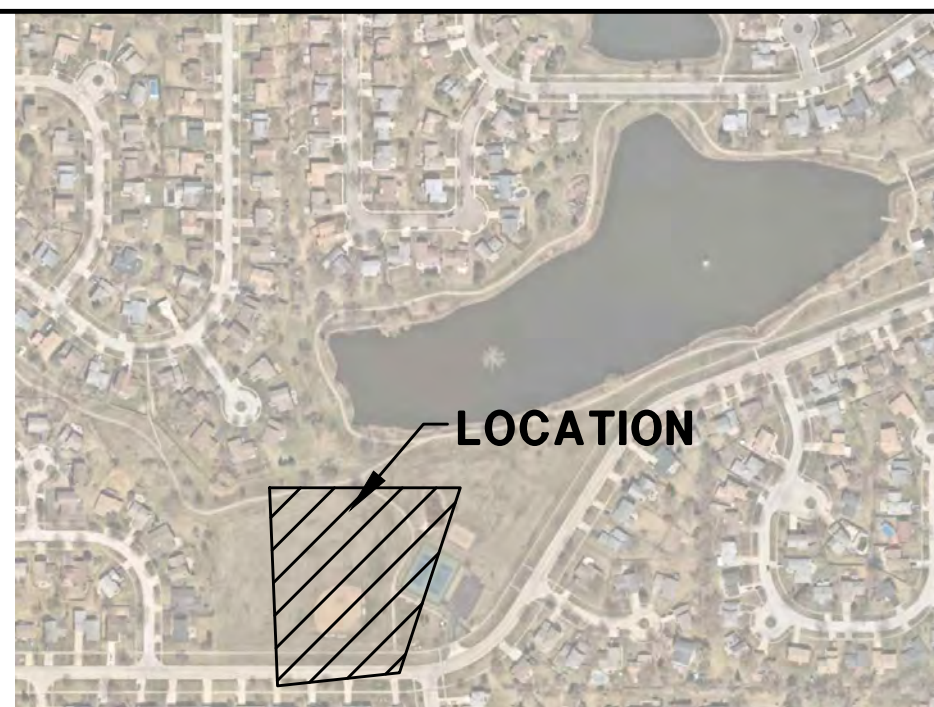
- RIM=846.83' (STORM #1)  
48" CONCRETE STRUCTURE  
INV=843.00' (8" PVC WSW)  
INV=841.95' (12" RCP SSE)
- RIM=846.89' (STORM #2)  
24" CONCRETE STRUCTURE  
INV=843.49' (4" PVC NW/NE)  
INV=843.47' (8" PVC ENE)
- RIM=847.36' (STORM #3)  
48" CONCRETE STRUCTURE  
INV=840.86' (12" RCP WNW)  
INV=835.93' (21" RCP SW)  
INV=835.30' (18" RCP SE)
- RIM=847.42' (STORM #4)  
48" CONCRETE STRUCTURE  
TOP OF PIPE=843.12' (1" COPPER SW/SE)
- RIM=848.30' (STORM #5)  
48" CONCRETE STRUCTURE  
INV=834.15' (21" RCP W)  
INV=838.10' (10" RCP SW)  
INV=838.65' (15" RCP SE)  
INV=834.20' (24" RCP E)
- RIM=843.71' (SANITARY #13)  
48" CONCRETE STRUCTURE  
INV=833.91' (8" CLAY W/E)
- RIM=846.92' (SANITARY #20)  
48" CONCRETE STRUCTURE  
INV=837.89' (8" CLAY WNW/E)
- RIM=845.71' (SANITARY #22)  
48" CONCRETE STRUCTURE  
INV=837.73' (8" CLAY W/S)
- RIM=845.20' (STORM #26)  
24" CONCRETE STRUCTURE  
INV=842.00' (4" PVC W)  
INV=841.76' (12" RCP N)
- RIM=845.15' (STORM #28)  
36" X 18" CONCRETE STRUCTURE  
INV=840.76' (15" RCP NW)  
INV=840.76' (12" RCP S)
- RIM=846.96' (SANITARY #29)  
48" CONCRETE STRUCTURE  
INV=834.78' (8" CLAY NE)
- RIM=845.09' (WATER #30)  
TOP OF PIPE=840.51' (16" DIP E/W)  
TOP OF WATER=843.94'  
STRUCTURE FILLED WITH WATER  
UNABLE TO DETERMINE SIZE OF STRUCTURE
- RIM=845.79' (WATER #32)  
60" CONCRETE STRUCTURE  
TOP OF PIPE=840.50' (16" DIP E/W)  
TOP OF PIPE=839.77' (12" DIP S)
- RIM=847.50' (SANITARY #33)  
48" CONCRETE STRUCTURE  
INV=833.33' (8" CLAY SSW)  
INV=833.33' (8" PVC NNE)
- RIM=846.77' (SANITARY #34)  
48" CONCRETE STRUCTURE  
INV=834.19' (8" CLAY SW/NE/ESE)
- RIM=843.87' (SANITARY #35)  
48" CONCRETE STRUCTURE  
INV=832.52' (8" CLAY WNW/NE/ESE/SSW)
- RIM=847.08' (WATER #38)  
TOP OF PIPE=840.91' (DIP ESE)  
TOP OF WATER=844.4'  
STRUCTURE FILLED WITH WATER  
UNABLE TO REACH NE/SW LINE
- RIM=842.44' (STORM #40)  
24" CONCRETE STRUCTURE  
INV=839.47' (12" RCP NNW)
- RIM=859.28' (WATER #42)  
60" CONCRETE STRUCTURE  
TOP OF BELL=852.38' (DIP E/W)  
UNABLE TO MEASURE SIZE OF PIPE

## HATCH LEGEND

- NEW 5" CONCRETE SIDEWALK
- 5" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW 6" CONCRETE PAVEMENT
- 6" PORTLAND CEMENT CONCRETE
- 4" CA-6 BASE COURSE
- NEW CONCRETE SPLASH PAD

## OTHER UTILITY

- EXISTING ELECTRIC METER TO REMAIN.
  - EXISTING TRANSFORMER TO REMAIN.
  - EXISTING GENERATOR TO REMAIN.
  - EXISTING STREET LIGHT TO REMAIN.
  - EXISTING LIGHT TO REMAIN.
  - EXISTING TELCO PEDESTAL TO REMAIN.
  - NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING TO AND FROM SPLASH PAD.
- ## SANITARY
- EXISTING SANITARY SEWER TO REMAIN.
  - EXISTING SANITARY STRUCTURE TO REMAIN.
  - CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE WITH EXISTING DROP CONNECTION. CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C428 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.
  - NEW 6" PVC SDR 26, 21 L.F. @ 2.04% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE.
  - NEW 6" PVC C400, 56 L.F. @ 1.43% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE.
  - NEW 6" PVC SDR 26, 45 L.F. @ 1.14% SLOPE.
  - CONNECT NEW SANITARY TO BUILDING (SEE PLUMBING DETAILS FOR CONTINUATION).



LOCATION

## KEYMAP

SCALE: N.T.S.

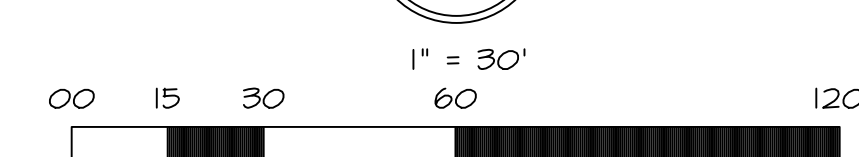


## UTILITY LEGEND

- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER SERVICE
- EXISTING SANITARY SEWER
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING B-BOX
- EXISTING STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING FLARED END SECTION
- EXISTING TREE
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- FF
- ADJUST
- PROPOSED EXISTING RIM ELEVATION
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE WITH VAULT
- PROPOSED B-BOX
- PROPOSED INLET
- PROPOSED OPEN LID MANHOLE/CATCH BASIN
- PROPOSED CLOSED LID MANHOLE
- EXISTING TELCO PEDESTAL
- WETLAND BOUNDARY

## SITE UTILITY NOTES:

- CONTRACTOR SHALL CONTACT JULLIE, (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.06 OF THE "STANDARD SPECIFICATIONS".
- TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE.
- CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES WITH THE PUBLIC WORKS DEPARTMENT.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES.
- ALL STORM MANHOLES WHICH HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED.
- ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.
- CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C428 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.
- PROVIDE RUBBER MISSION COUPLER OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMILAR SIZE OR MATERIAL.



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SOUTH RIDGE COMMUNITY PARK  
ENHANCEMENT PLAN 2019  
1450 FREEMAN ROAD  
HOFFMAN ESTATES, IL 60192

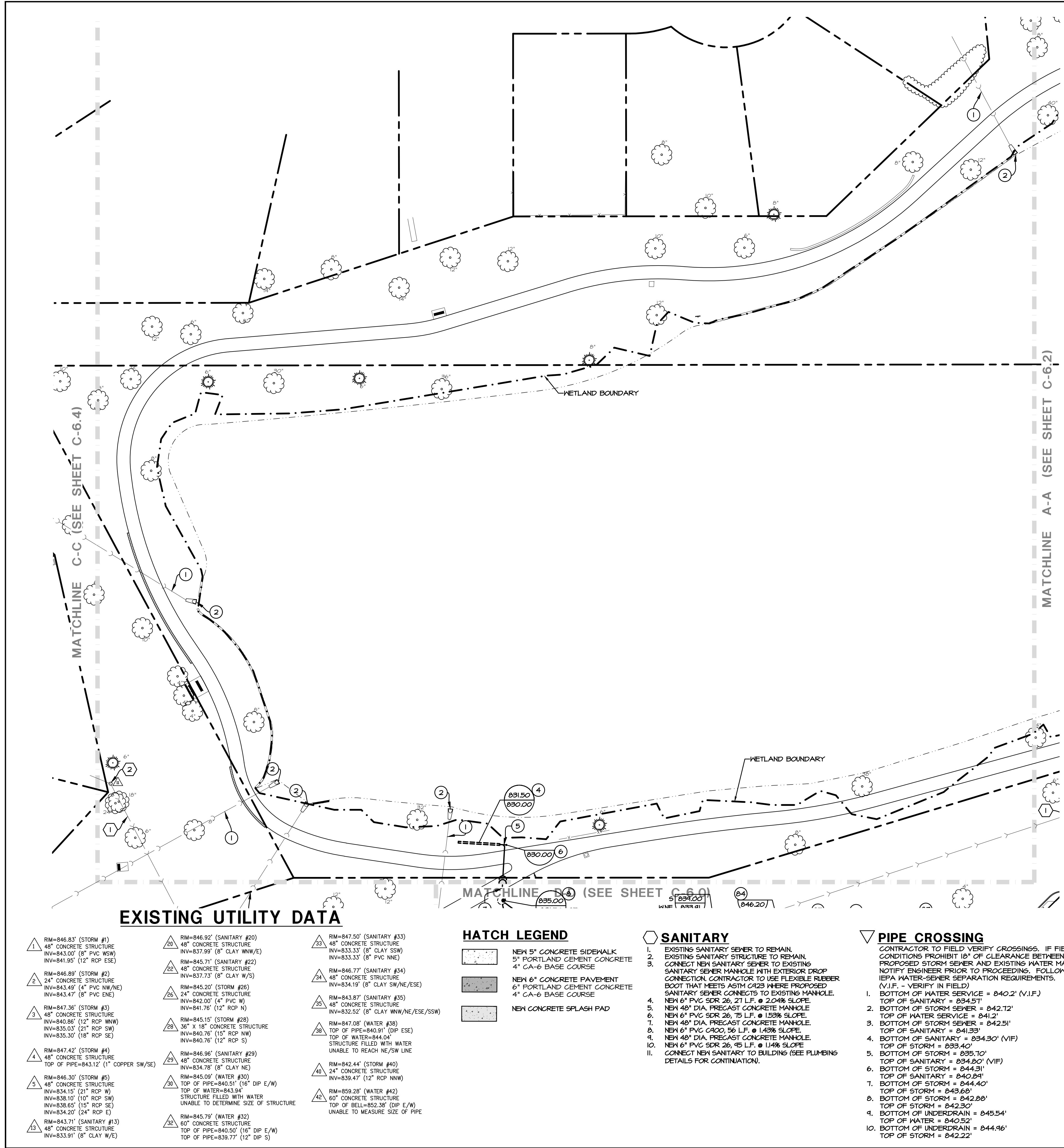
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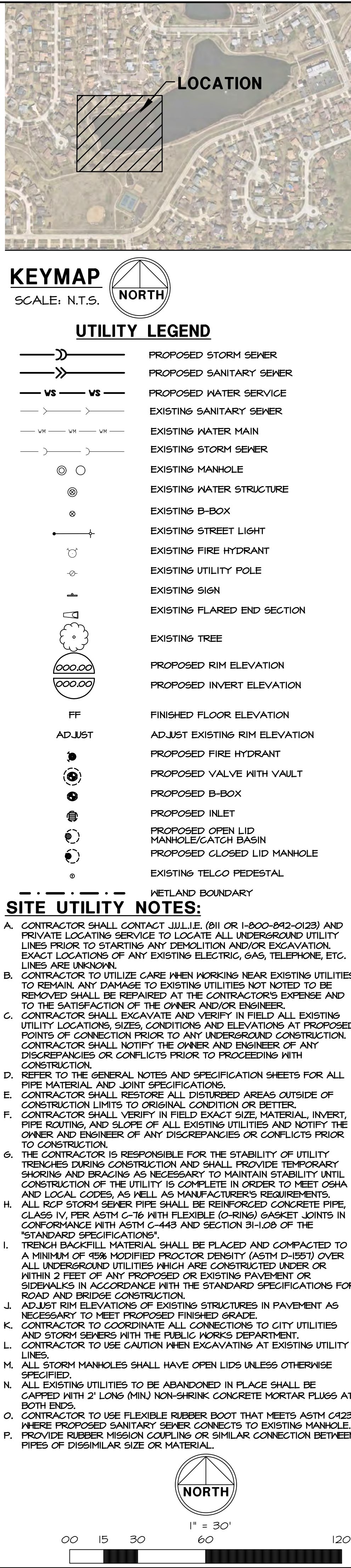
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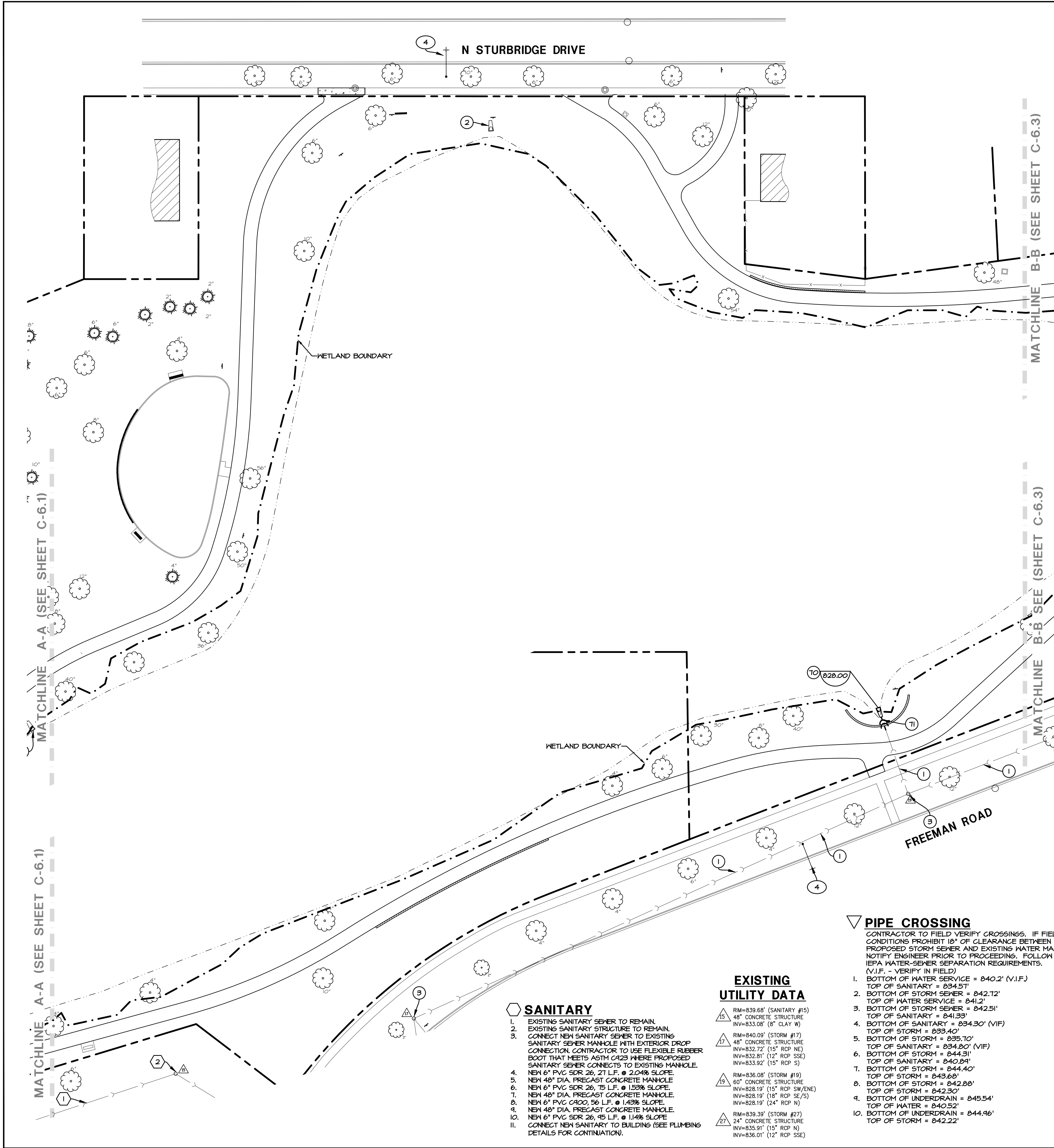
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**C-6.0**  
SITE UTILITY PLAN



- STORM SEWER**
- EXISTING STORM SEWER TO REMAIN.
  - EXISTING FLARED END SECTION TO REMAIN.
  - EXISTING STORM STRUCTURE TO REMAIN.
  - NEW 12" PERFORATED ADS SLOTTED DRAIN, 25 L.F.
  - NEW 12"x12" HDPE WYE FITTING.
  - NEW 6" CLEANOUT.
  - NEW 12" HDPE, 33 L.F. @ 0.60% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CLOSED LID MANHOLE.
  - NEW 12" HDPE, 97 L.F. @ 11.6% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 4" PERFORATED HDPE, 107 L.F. @ 0% SLOPE.
  - NEW CLEANOUT.
  - NEW GRAVEL INFILTRATION BASIN. (SEE SECTION A-A ON SHEET C-6.6).
  - NEW 18" PERFORATED HDPE LEVEL SPREADER, 88 L.F.
  - NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
  - NEW 18" RCP, 41 L.F. @ 0.85% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 15" RCP, 25 L.F. @ 0.60% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 18" PVC SDR 26, 52 L.F. @ 0.60% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 15" RCP, 44 L.F. @ 0.45% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
  - NEW 12" RCP, 136 L.F. @ 0.54% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 12" RCP, 57 L.F. @ 1.47% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 12" RCP, 54 L.F. @ 0.56% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 12" RCP, 13 L.F. @ 0.46% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 8" HDPE, 57 L.F. @ 1.47% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 8" PVC, 31 L.F. @ 1.24% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 8" PVC, 71 L.F. @ 1.20% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
  - NEW 12" DIA. PRECAST CONCRETE CATCH BASIN WITH OVERFLOW PIPE. (SEE DETAIL ON SHEET C-6.7)
  - NEW 12" HDPE, 42 L.F. @ 0.43% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 8" HDPE, 36 L.F. @ 3.00 % SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 4" PERFORATED PVC SDR 26, 122 L.F. @ 0.24% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW PLAYGROUND CLEANOUT.
  - NEW 4" PERFORATED PVC SDR 30, 48 L.F. @ 0.21% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW PLAYGROUND CLEANOUT.
  - NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.13% SLOPE.
  - NEW PLAYGROUND CLEANOUT.
  - NEW 4" PERFORATED PVC SDR 26, 34 L.F. @ 0.26% SLOPE.
  - NEW PLAYGROUND CLEANOUT.
  - NEW 4"x4" WYE FITTING.
  - NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
  - NEW 4" DIP CL52, 31 L.F. @ 2.58% SLOPE.
  - NEW TYPE K100 ACO TRENCH DRAIN WITH 4" BOTTOM HUB OUTLET AND 45ID STAINLESS STEEL GRATE, 23 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
  - NEW ACO KI-6216 CATCH BASIN LOAD CLASS E. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
  - NEW TYPE K100 ACO TRENCH DRAIN WITH 45ID STAINLESS STEEL GRATE, 30 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
  - EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR.
  - NEW 6" PVC SDR 26, 90 L.F. @ 14.2% SLOPE.
  - NEW 24" DIA. PRECAST CONCRETE INLET WITH SOLID LID.
  - NEW 6" PVC SDR 26, 40 L.F. @ 1% SLOPE. SEE SPLASH PAD PLANS FOR CONTINUATION.
  - NEW 12" RCP, 191 L.F. @ 0.50% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW PERFORATED 6" HDPE UNDERDRAIN, 233 L.F. @ 0.52% SLOPE.
  - NEW 6" CLEANOUT.
  - NEW 12" RCP, 95 L.F. @ 0.41% SLOPE.
  - NEW 24" DIA. PRECAST CONCRETE INLET WITH OPEN RIM.
  - NEW 12" HDPE, 20 L.F. @ 2.00% SLOPE.
  - NEW 4" PERFORATED PVC SDR 26, 24 L.F. @ 0.64% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 6" CLEANOUT.
  - NEW 4" PERFORATED PVC SDR 26, 107 L.F. @ 0.14% SLOPE.
  - NEW 6" CLEANOUT.
  - NEW 4" SCHEDULE 40 PIPE, 34 L.F. @ 2% SLOPE FOR SHUTDOWN PIT. PROVIDE GRATE ON TOP OF PIPE.
- OTHER UTILITY**
- EXISTING ELECTRIC METER TO REMAIN.
  - EXISTING TRANSFORMER TO REMAIN.
  - EXISTING GENERATOR TO REMAIN.
  - EXISTING STREET LIGHT TO REMAIN.
  - EXISTING LIGHT POLE TO REMAIN.
  - EXISTING TELCO PEDESTAL TO REMAIN.
  - NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING TO AND FROM SPLASH PAD.
- WATER**
- GENERAL WATER NOTES:
- ALL FITTINGS SHALL HAVE MECHANICAL JOINTS RESTRAINED BY MEGALUG GLANDS.
  - CONTRACTOR SHALL COORDINATE WATER TAPS WITH THE VILLAGE PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION.
  - EXISTING 16" WATER MAIN TO REMAIN.
  - EXISTING VALVE VAULT TO REMAIN.
  - EXISTING FIRE HYDRANT TO REMAIN.
  - EXISTING B-BOX TO REMAIN.
  - CONNECT NEW WATER SERVICE TO EXISTING WATER MAIN VIA PRESSURE CONNECTION WITH STAINLESS STEEL TAPPING SLEEVE PER VILLAGE REQUIREMENTS.
  - NEW 4" DIA. DIP CL52 WATER SERVICE, 231 L.F. (SEE PLUMBING PLANS FOR CONTINUATION)
  - NEW 12" DIAMETER STEEL CASING PIPE TO BE DIRECTIONALLY DRILLED/BORED/AUGURED AND PUSHED UNDERNEATH FREEMAN ROAD, 43 L.F.
  - NEW 60" DIA. PRECAST CONCRETE VALVE VAULT.
  - NEW 1125 DEGREE DIP CL52 ELBOW.
  - NEW 45 DEGREE DIP CL52 ELBOW.





- ### STORM SEWER

  - EXISTING STORM SEWER TO REMAIN.
  - EXISTING FLARED END SECTION TO REMAIN.
  - EXISTING STORM STRUCTURE TO REMAIN.
  - NEW 12" PERFORATED ADS SLOTTED DRAIN, 25 L.F.
  - NEW 12"x12" HDPE WYE FITTING.
  - NEW 6" CLEANOUT.
  - NEW 12" HDPE, 33 L.F. @ 0.60% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CLOSED LID MANHOLE.
  - NEW 12" HDPE, 47 L.F. @ 1.16% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 4" PERFORATED HDPE, 107 L.F. @ 0% SLOPE.
  - NEW CLEANOUT
  - NEW GRAVEL INFILTRATION BASIN. (SEE SECTION A-A ON SHEET C-6.1)
  - NEW 18" PERFORATED HDPE LEVEL SPREADER, 88 L.F.
  - NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
  - NEW 15" RCP, 41 L.F. @ 0.85% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 15" RCP, 25 L.F. @ 0.60% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 15" PVC SDR 26, 52 L.F. @ 0.58% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 15" RCP, 44 L.F. @ 0.45% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
  - NEW 12" RCP, 13 L.F. @ 0.54% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 8" HDPE, 57 L.F. @ 1.41% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 12" RCP, 12 L.F. @ 1.67% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 8" HDPE, 44 L.F. @ 1.43% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 8" PVC, 31 L.F. @ 1.24% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 8" PVC, 11 L.F. @ 1.20% SLOPE.
  - NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
  - NEW 12" RCP, 57 L.F. @ 1.10% SLOPE.
  - NEW 24" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
  - NEW 12" DIA. PRECAST CONCRETE CATCH BASIN WITH OVERFLOW PIPE. (SEE DETAIL ON SHEET C-6.1)
  - NEW 12" HDPE, 42 L.F. @ 0.43% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 8" HDPE, 36 L.F. @ 3.00 % SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW 4" PERFORATED PVC SDR 26, 122 L.F. @ 0.24% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.14% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 4" PERFORATED PVC SDR 30, 48 L.F. @ 0.21% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.13% SLOPE.
  - NEW 4" PERFORATED PVC SDR 26, 34 L.F. @ 0.26% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
  - NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
  - NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
  - NEW TYPE K100 ACO TRENCH DRAIN WITH 4" BOTTOM HUB OUTLET AND 45ID STAINLESS STEEL GRATE, 23 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
  - NEW ACO K1-6215 CATCH BASIN LOAD CLASS E. INSTALL PER MANUFACTURERS SPECIFICATIONS.
  - NEW TYPE K100 ACO TRENCH DRAIN WITH 45ID STAINLESS STEEL GRATE, 30 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
  - INSTALL SALVAGED FLARED END SECTION TO NEW 24" RCP.
  - NEW 24" RCP, 8 L.F. @ 0.40% SLOPE. CONNECT TO EXISTING 24" RCP WITH ALL FITTINGS REQUIRED.
  - EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR.
  - NEW 6" PVC SDR 26, 40 L.F. @ 14.2% SLOPE.
  - NEW 24" DIA. PRECAST CONCRETE INLET WITH SOLID LID.
  - NEW 6" PVC SDR 26, 40 L.F. @ 1% SLOPE. SEE SPLASH PAD PLANS FOR CONTINUATION.
  - NEW 12" RCP, 114 L.F. @ 0.50% SLOPE.
  - NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
  - NEW PERFORATED 6" HDPE UNDERDRAIN, 233 L.F. @ 0.52% SLOPE.
  - NEW 6" CLEANOUT.
  - NEW 12" RCP, 45 L.F. @ 0.41% SLOPE.
  - NEW 24" DIA. PRECAST CONCRETE INLET WITH OPEN RIM.
  - NEW 12" HDPE, 20 L.F. @ 2.00% SLOPE.
  - NEW 4" PERFORATED PVC SDR 26, 24 L.F. @ 0.64% SLOPE.
  - NEW 4"x4" WYE FITTING.
  - NEW 6" CLEANOUT.
  - NEW 4" PERFORATED PVC SDR 26, 107 L.F. @ 0.14% SLOPE.
  - NEW 6" CLEANOUT.
  - NEW 4" SCHEDULE 40 PIPE, 34 L.F. @ 2% SLOPE FOR SHUTDOWN PIT. PROVIDE GRATE ON TOP OF PIPE.
- ### OTHER UTILITY

  - EXISTING ELECTRIC METER TO REMAIN.
  - EXISTING TRANSFORMER TO REMAIN.
  - EXISTING GENERATOR TO REMAIN.
  - EXISTING STREET LIGHT TO REMAIN.
  - EXISTING LIGHT TO REMAIN.
  - EXISTING TELCO PEDESTAL TO REMAIN.
  - NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING TO AND FROM SPLASH PAD.
- ### WATER

GENERAL WATER NOTES:

  - ALL FITTINGS SHALL HAVE MECHANICAL JOINTS - RESTRAINED BY MEGALUG GLANDS.
  - CONTRACTOR SHALL COORDINATE WATER TAPS WITH THE VILLAGE PUBLIC WORKS DEPARTMENT PRIOR TO THE CONSTRUCTION.
  - EXISTING 16" WATER MAIN TO REMAIN.
  - EXISTING VALVE VAULT TO REMAIN.
  - EXISTING FIRE HYDRANT TO REMAIN.
  - EXISTING B-BOX TO REMAIN.
  - CONNECT NEW WATER SERVICE TO EXISTING WATER MAIN VIA PRESSURE CONNECTION WITH STAINLESS STEEL TAPPING SLEEVE PER VILLAGE REQUIREMENTS.
  - NEW 4" DIA. DIP CL52 WATER SERVICE, 231 L.F. (SEE PLUMBING PLANS FOR CONTINUATION).
  - NEW 12" DIAMETER STEEL CASING PIPE TO BE DIRECTIONALLY DRILLED/PILED AND PUSHED UNDERNEATH FREEMAN ROAD, 43 L.F.
  - NEW 60" DIA. PRECAST CONCRETE VALVE VAULT.
  - NEW 11.25 DEGREE DIP CL52 ELBOW.
  - NEW 45 DEGREE DIP CL52 ELBOW.
- ### HATCH LEGEND

	NEW 5" CONCRETE SIDEWALK
	5" PORTLAND CEMENT CONCRETE
	4" CA-6 BASE COURSE
	NEW 6" CONCRETE PAVEMENT
	6" PORTLAND CEMENT CONCRETE
	4" CA-6 BASE COURSE
	NEW CONCRETE SPLASH PAD

### EXISTING UTILITY DATA

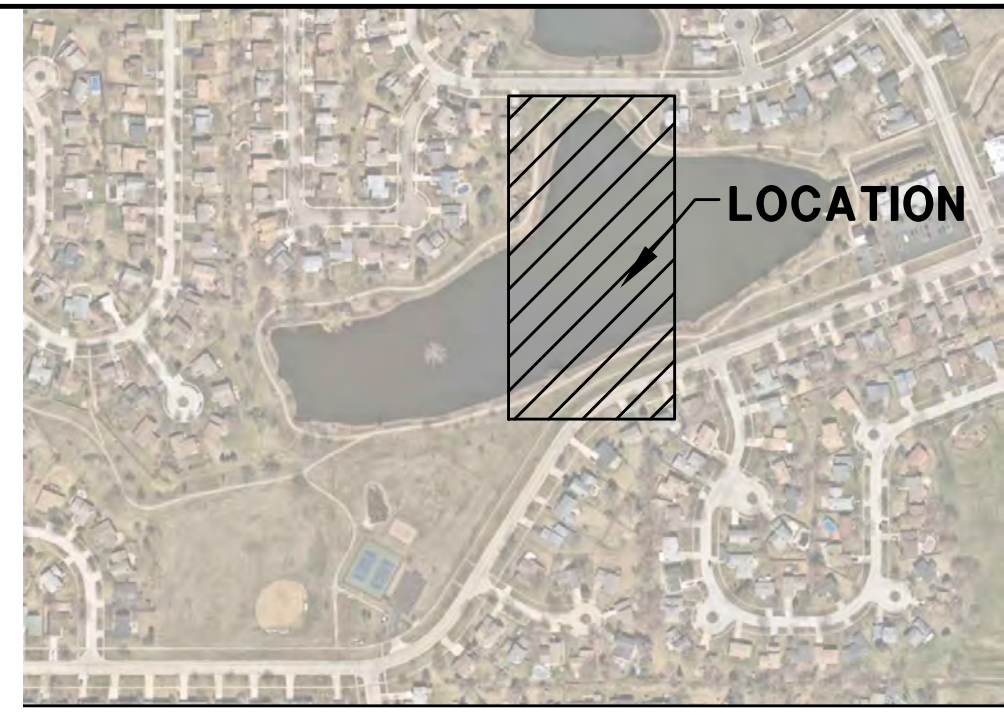
- |    |  |
|----|--|
| 15 | RIM=839.68' (SANITARY #15)<br>48" CONCRETE STRUCTURE<br>INV=833.08' (6" CLAY W)  |
| 17 | RIM=840.09' (STORM #17)<br>48" CONCRETE STRUCTURE<br>INV=832.72' (12" RCP NE)<br>INV=832.81' (12" RCP SSE)<br>INV=833.92' (15" RCP S)      |
| 19 | RIM=836.08' (STORM #19)<br>60" CONCRETE STRUCTURE<br>INV=828.19' (15" RCP SW/ENE)<br>INV=828.19' (18" RCP SE/S)<br>INV=828.19' (24" RCP N) |
| 27 | RIM=839.39' (STORM #27)<br>24" CONCRETE STRUCTURE<br>INV=835.91' (15" RCP N)<br>INV=836.01' (12" RCP SSE)                                  |

### SANITARY

- EXISTING SANITARY SEWER TO REMAIN.
- EXISTING SANITARY STRUCTURE TO REMAIN.
- CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE WITH EXTERIOR DROP CONNECTION. CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C423 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.
- NEW 6" PVC SDR 26, 27 L.F. @ 2.04% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE
- NEW 6" PVC SDR 26, 75 L.F. @ 1.53% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE
- NEW 6" PVC C400, 56 L.F. @ 1.43% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE
- NEW 6" PVC SDR 26, 45 L.F. @ 1.46% SLOPE.
- CONNECT NEW SANITARY TO BUILDING (SEE PLUMBING DETAILS FOR CONTINUATION).

### PIPE CROSSING

- CONTRACTOR TO FIELD VERIFY CROSSINGS. IF FIELD CONDITIONS PROHIBIT 18" OF CLEARANCE BETWEEN PROPOSED STORM SEWER AND EXISTING WATER MAIN, NOTIFY ENGINEER PRIOR TO PROCEEDING. FOLLOW IPEA WATER-SEWER SEPARATION REQUIREMENTS. (V.I.F. - VERIFY IN FIELD)
- BOTTOM OF WATER SERVICE = 840.2' (V.I.F.)
  - TOP OF SANITARY = 834.51'
  - BOTTOM OF STORM SEWER = 842.12'
  - TOP OF WATER SERVICE = 841.2'
  - BOTTOM OF STORM SEWER = 842.51'
  - TOP OF SANITARY = 841.33'
  - BOTTOM OF SANITARY = 834.30' (V.I.F.)
  - TOP OF STORM = 833.40'
  - TOP OF STORM = 835.10'
  - TOP OF SANITARY = 834.80' (V.I.F.)
  - BOTTOM OF STORM = 842.30'
  - TOP OF SANITARY = 844.31'
  - BOTTOM OF STORM = 840.84'
  - TOP OF STORM = 833.40'
  - BOTTOM OF STORM = 844.40'
  - TOP OF STORM = 843.68'
  - BOTTOM OF STORM = 842.88'
  - TOP OF STORM = 842.30'
  - BOTTOM OF STORM = 845.54'
  - TOP OF WATER = 840.52'
  - BOTTOM OF UNDERDRAIN = 844.96'
  - TOP OF STORM = 842.22'



### KEYMAP

SCALE: N.T.S.

### UTILITY LEGEND

	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED WATER SERVICE
	EXISTING SANITARY SEWER
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EXISTING MANHOLE
	EXISTING WATER STRUCTURE
	EXISTING B-BOX
	EXISTING STREET LIGHT
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING SIGN
	EXISTING FLARED END SECTION
	EXISTING TREE
	PROPOSED RIM ELEVATION
	PROPOSED INVERT ELEVATION
	FINISHED FLOOR ELEVATION
	ADJUST EXISTING RIM ELEVATION
	PROPOSED FIRE HYDRANT
	PROPOSED VALVE WITH VAULT
	PROPOSED B-BOX
	PROPOSED INLET
	PROPOSED OPEN LID MANHOLE/CATCH BASIN
	PROPOSED CLOSED LID MANHOLE
	EXISTING TELCO PEDESTAL
	WETLAND BOUNDARY

### SITE UTILITY NOTES:

- CONTRACTOR SHALL CONTACT JILL.I.E. (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS.
- ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.08 OF THE "STANDARD SPECIFICATIONS".
- TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE.
- CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS DEPARTMENT.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES.
- ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED.
- ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE GAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.
- CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C423 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.
- PROVIDE RUBBER MISSION COUPLING OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMILAR SIZE OR MATERIAL.

### SCALE

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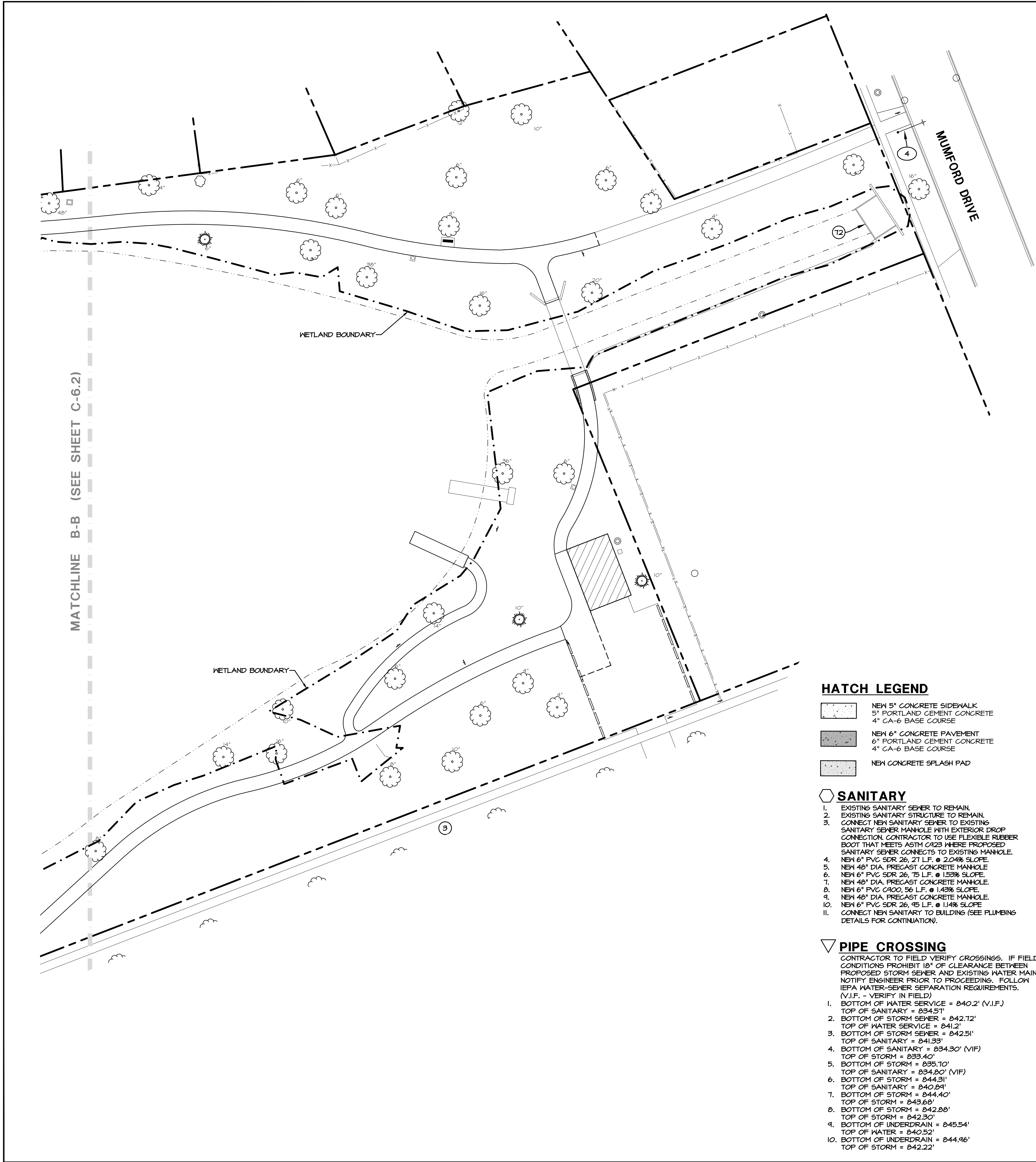
### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

### CHECK: CMS

DRAWN: PS

1911354C



### HATCH LEGEND

- NEW 5' CONCRETE SIDEWALK  
5' PORTLAND CEMENT CONCRETE  
4" CA-6 BASE COURSE
- NEW 6' CONCRETE PAVEMENT  
6' PORTLAND CEMENT CONCRETE  
4" CA-6 BASE COURSE
- NEW CONCRETE SPLASH PAD

### SANITARY

- EXISTING SANITARY SEWER TO REMAIN.
- EXISTING SANITARY STRUCTURE TO REMAIN.
- CONNECT NEW SANITARY SEWER TO EXISTING SANITARY SEWER MANHOLE WITH EXTERIOR DROP CONNECTION CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C423 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.
- NEW 6" PVC SDR 26, 21 L.F. @ 2.04% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE
- NEW 6" PVC SDR 26, 75 L.F. @ 1.53% SLOPE
- NEW 48" DIA. PRECAST CONCRETE MANHOLE.
- NEW 6" PVC C400, 56 L.F. @ 1.43% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE.
- NEW 6" PVC SDR 26, 95 L.F. @ 1.14% SLOPE
- CONNECT NEW SANITARY TO BUILDING (SEE PLUMBING DETAILS FOR CONTINUATION).

### PIPE CROSSING

- CONTRACTOR TO FIELD VERIFY CROSSINGS. IF FIELD CONDITIONS PROHIBIT 10' OF CLEARANCE BETWEEN PROPOSED STORM SEWER AND EXISTING WATER MAIN, NOTIFY ENGINEER PRIOR TO PROCEEDING. FOLLOW IEPA WATER-SEWER SEPARATION REQUIREMENTS. (V.I.F. - VERIFY IN FIELD)
- BOTTOM OF WATER SERVICE = 840.2' (V.I.F.)  
TOP OF SANITARY = 834.51'
  - BOTTOM OF STORM SEWER = 842.72'  
TOP OF WATER SERVICE = 841.2'
  - BOTTOM OF STORM SEWER = 842.51'  
TOP OF SANITARY = 841.33'
  - BOTTOM OF SANITARY = 834.30' (VIF)  
TOP OF STORM = 833.40'
  - BOTTOM OF STORM = 835.70'  
TOP OF SANITARY = 834.80' (VIF)
  - BOTTOM OF STORM = 844.31'  
TOP OF SANITARY = 840.84'
  - BOTTOM OF STORM = 844.40'  
TOP OF STORM = 843.88'
  - BOTTOM OF STORM = 842.88'  
TOP OF STORM = 842.30'
  - BOTTOM OF UNDERDRAIN = 845.54'  
TOP OF WATER = 840.52'
  - BOTTOM OF UNDERDRAIN = 844.96'  
TOP OF STORM = 842.22'

### STORM SEWER

- EXISTING STORM SEWER TO REMAIN.
- EXISTING FLARED END SECTION TO REMAIN.
- EXISTING STORM STRUCTURE TO REMAIN.
- NEW 12" PERFORATED ADS SLOTTED DRAIN, 25 L.F.
- NEW 12"x12" HDPE WYE FITTING.
- NEW 6" CLEANOUT.
- NEW 12" HDPE, 33 L.F. @ 0.60% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CLOSED LID MANHOLE.
- NEW 12" HDPE, 47 L.F. @ 1.16% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 4" PERFORATED HDPE, 107 L.F. @ 0% SLOPE.
- NEW CLEANOUT
- NEW GRAVEL INFILTRATION BASIN. (SEE SECTION A-A ON SHEET C-6.6).
- NEW 18" PERFORATED HDPE LEVEL SPREADER, 88 L.F.
- NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
- NEW 15" RCP, 41 L.F. @ 0.85% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 15" RCP, 25 L.F. @ 0.60% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 15" PVC SDR 26, 52 L.F. @ 0.58% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 15" RCP, 44 L.F. @ 0.45% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE CATCH BASIN WITH OPEN RIM.
- NEW 12" RCP, 136 L.F. @ 0.54% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 12" RCP, 54 L.F. @ 0.56% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 12" RCP, 8 L.F. @ 0.46% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 8" HDPE, 41 L.F. @ 1.43% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 8" PVC, 31 L.F. @ 1.24% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 8" PVC, 71 L.F. @ 1.20% SLOPE.
- NEW 24" DIA. CONCRETE INLET WITH OPEN RIM.
- NEW 12" RCP, 57 L.F. @ 1.10% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 18" HDPE, 5 L.F. @ 0% SLOPE.
- NEW 12" DIA. PRECAST CONCRETE CATCH BASIN WITH OVERFLOW PIPE. (SEE DETAIL ON SHEET C-6.7)
- NEW 12" HDPE, 42 L.F. @ 0.43% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 8" HDPE, 36 L.F. @ 3.00 % SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW 4" PERFORATED PVC SDR 26, 122 L.F. @ 0.24% SLOPE.
- NEW 4"x4" WYE FITTING.
- NEW PLAYGROUND CLEANOUT.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.14% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 30, 48 L.F. @ 0.21% SLOP.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 26, 80 L.F. @ 0.13% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4" PERFORATED PVC SDR 26, 34 L.F. @ 0.26% SLOPE.
- NEW 4"x4" WYE FITTING.
- NEW 4" PERFORATED PVC SDR 26, 100 L.F. @ 0.11% SLOPE.
- NEW PLAYGROUND CLEANOUT.
- NEW 4" DIP CL52, 31 L.F. @ 2.58% SLOPE.
- NEW TYPE K100 ACO TRENCH DRAIN WITH 4" BOTTOM HUB OUTLET AND 45ID STAINLESS STEEL GRATE, 23 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- NEW ACO KI-6216 CATCH BASIN LOAD CLASS E. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- NEW TYPE K100 ACO TRENCH DRAIN WITH 45ID STAINLESS STEEL GRATE, 30 L.F. @ 0.50% SLOPE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
- INSTALL SALVAGED FLARED END SECTION TO NEW 24" RCP.
- NEW 24" RCP, 8 L.F. @ 0.40% SLOPE. CONNECT TO EXISTING 24" RCP WITH ALL FITTINGS REQUIRED.
- EXISTING OUTLET CONTROL STRUCTURE AND OVERFLOW WEIR.
- NEW 6" PVC SDR 26, 40 L.F. @ 14.2% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE INLET WITH SOLID LID.
- NEW 6" PVC SDR 26, 40 L.F. @ 1% SLOPE. SEE SPLASH PAD PLANS FOR CONTINUATION.
- NEW 12" RCP, 114 L.F. @ 0.50% SLOPE.
- NEW 48" DIA. PRECAST CONCRETE MANHOLE WITH OPEN RIM.
- NEW PERFORATED 6" HDPE UNDERDRAIN, 233 L.F. @ 0.52% SLOPE.
- NEW 6" CLEANOUT.
- NEW 12" RCP, 45 L.F. @ 0.41% SLOPE.
- NEW 24" DIA. PRECAST CONCRETE INLET WITH OPEN RIM.
- NEW 12" HDPE RCP, 20 L.F. @ 2.02% SLOPE.
- NEW 4" PERFORATED PVC SDR 26, 24 L.F. @ 0.64% SLOPE.
- NEW 4"x4" WYE FITTING.
- NEW 6" CLEANOUT.
- NEW 4" PERFORATED PVC SDR 26, 107 L.F. @ 0.14% SLOPE.
- NEW 6" CLEANOUT
- NEW 4" SCHEDULE 40 PIPE, 34 L.F. @ 2% SLOPE FOR SHUTDOWN PIT. PROVIDE GRATE ON TOP OF PIPE.

### OTHER UTILITY

- EXISTING ELECTRIC METER TO REMAIN.
- EXISTING TRANSFORMER TO REMAIN.
- EXISTING GENERATOR TO REMAIN.
- EXISTING STREET LIGHT TO REMAIN.
- EXISTING LIGHT TO REMAIN.
- EXISTING TELCO PEDESTAL TO REMAIN.
- NEW SPLASH PAD EQUIPMENT TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. SEE SPLASH PAD PLANS, PREPARED BY VORTEX AQUATIC STRUCTURES INTERNATIONAL, FOR EQUIPMENT LAYOUT AND INSTALLATION SPECIFICATIONS. SEE MEP PLANS FOR WATER AND SEWER PIPING TO AND FROM SPLASH PAD.

### WATER

- GENERAL WATER NOTES:
- ALL FITTINGS SHALL HAVE MECHANICAL JOINTS RESTRAINED BY MEGALUG GLANDS.
  - CONTRACTOR SHALL COORDINATE WATER TAPS WITH THE VILLAGE PUBLIC WORKS DEPARTMENT PRIOR TO THE CONSTRUCTION.
  - EXISTING 16" WATER MAIN TO REMAIN.
  - EXISTING VALVE VAULT TO REMAIN.
  - EXISTING FIRE HYDRANT TO REMAIN.
  - EXISTING B-BOX TO REMAIN.
  - CONNECT NEW WATER SERVICE TO EXISTING WATER MAIN VIA PRESSURE CONNECTION WITH STAINLESS STEEL TAPPING SLEEVE PER VILLAGE REQUIREMENTS.
  - NEW 4" DIA. DIP CL52 WATER SERVICE, 231 L.F. (SEE PLUMBING PLANS FOR CONTINUATION).
  - NEW 12" DIAMETER STEEL CASING PIPE TO BE DIRECTIONALLY DRILLED/BORED/AUGURED AND PUSHED UNDERNEATH FREEMAN ROAD, 43 L.F.
  - NEW 60" DIA. PRECAST CONCRETE VALVE VAULT.
  - NEW 11.25 DEGREE DIP CL52 ELBOW.
  - NEW 45 DEGREE DIP CL52 ELBOW.



LOCATION

### KEYMAP

SCALE: N.T.S.



### UTILITY LEGEND

- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER SERVICE
- EXISTING SANITARY SEWER
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING WATER STRUCTURE
- EXISTING B-BOX
- EXISTING STREET LIGHT
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING FLARED END SECTION
- EXISTING TREE
- PROPOSED RIM ELEVATION
- PROPOSED INVERT ELEVATION
- FF
- ADJUST
- ADJUST EXISTING RIM ELEVATION
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE WITH VAULT
- PROPOSED B-BOX
- PROPOSED INLET
- PROPOSED OPEN LID MANHOLE/CATCH BASIN
- PROPOSED CLOSED LID MANHOLE
- EXISTING TELCO PEDESTAL
- WETLAND BOUNDARY

### SITE UTILITY NOTES:

- CONTRACTOR SHALL CONTACT JULLIE (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.
- CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.
- CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.
- REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.
- CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.
- CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
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- ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE.
- CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS DEPARTMENT.
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- ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE GAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.
- CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C423 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE. PROVIDE RUBBER MISSION COUPLING OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMILAR SIZE OR MATERIAL.



00 15 30 60 120  
1" = 30'

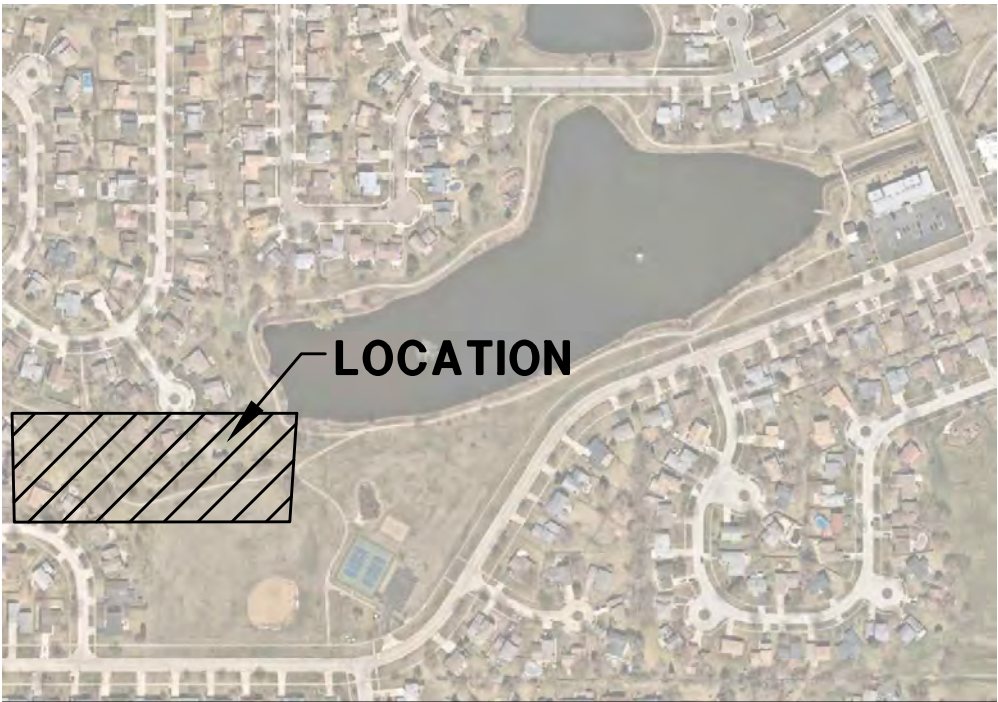
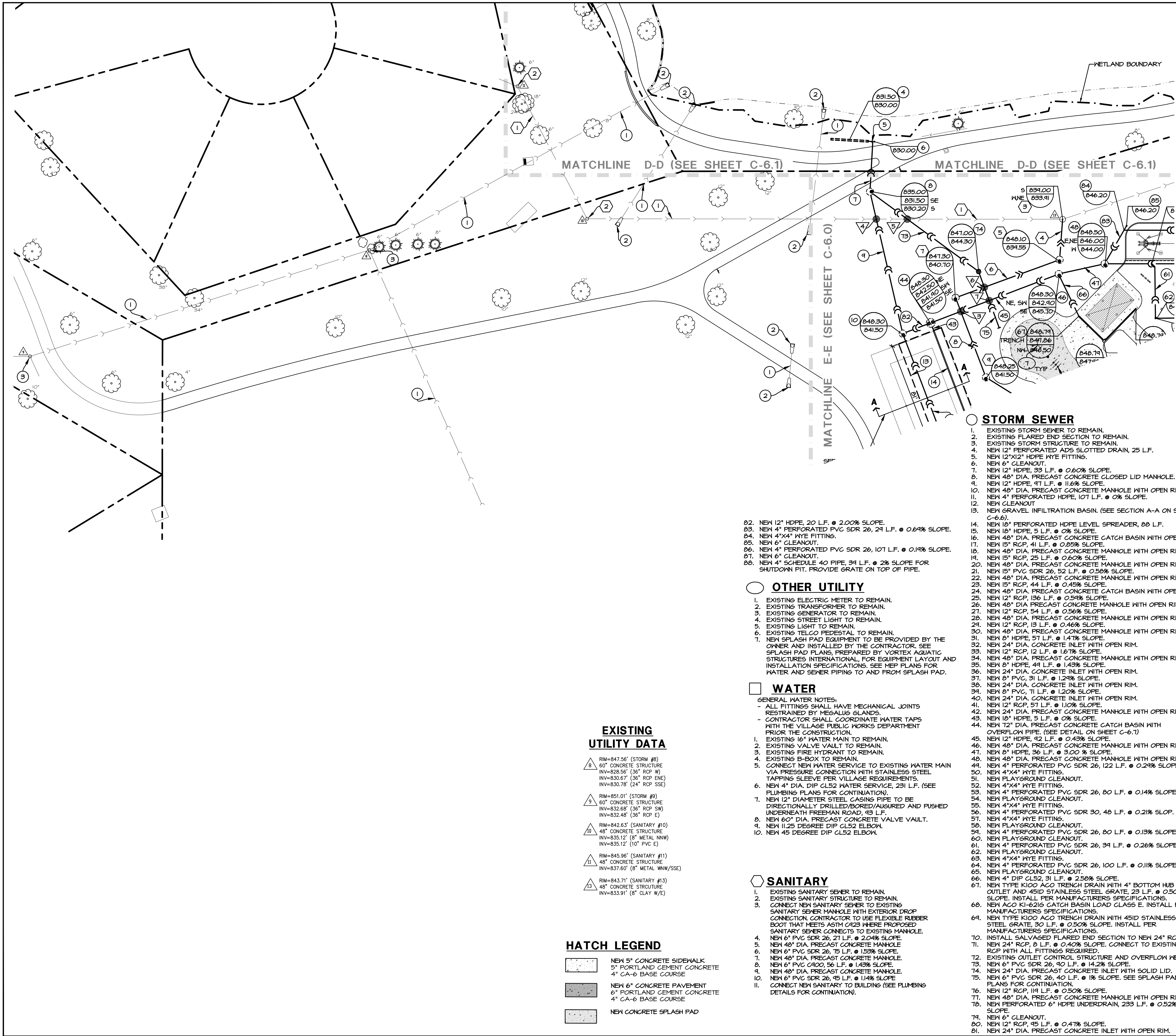
### ISSUE

TO	DATE
VILLAGE	8/23/19
MWRD	9/17/19
MWRD	10/22/19
VILLAGE	11/25/19
MWRD	1/2/20
SWCD	1/17/20
FOR BID	1/23/20

CHECK: CMS

DRAWN: PS

1911354C



**KEYMAP**  
SCALE: N.T.S.

**UTILITY LEGEND**

PROPOSED STORM SEWER  
PROPOSED SANITARY SEWER  
PROPOSED WATER SERVICE  
EXISTING SANITARY SEWER  
EXISTING WATER MAIN  
EXISTING STORM SEWER  
EXISTING MANHOLE  
EXISTING WATER STRUCTURE  
EXISTING B-BOX  
EXISTING STREET LIGHT  
EXISTING FIRE HYDRANT  
EXISTING UTILITY POLE  
EXISTING SIGN  
EXISTING FLARED END SECTION  
EXISTING TREE  
PROPOSED RIM ELEVATION  
PROPOSED INVERT ELEVATION  
FINISHED FLOOR ELEVATION  
ADJUST EXISTING RIM ELEVATION  
PROPOSED FIRE HYDRANT  
PROPOSED VALVE WITH VAULT  
PROPOSED B-BOX  
PROPOSED INLET  
PROPOSED OPEN LID MANHOLE/CATCH BASIN  
PROPOSED CLOSED LID MANHOLE  
EXISTING TELCO PEDESTAL  
NETLAND BOUNDARY

**SITE UTILITY NOTES:**

A. CONTRACTOR SHALL CONTACT JULLIE. (811 OR 1-800-842-0123) AND PRIVATE LOCATING SERVICE TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO STARTING ANY DEMOLITION AND/OR EXCAVATION. EXACT LOCATIONS OF ANY EXISTING ELECTRIC, GAS, TELEPHONE, ETC. LINES ARE UNKNOWN.

B. CONTRACTOR TO UTILIZE CARE WHEN WORKING NEAR EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO EXISTING UTILITIES NOT NOTED TO BE REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE OWNER AND/OR ENGINEER.

C. CONTRACTOR SHALL EXCAVATE AND VERIFY IN FIELD ALL EXISTING UTILITY LOCATIONS, SIZES, CONDITIONS AND ELEVATIONS AT PROPOSED POINTS OF CONNECTION PRIOR TO ANY UNDERGROUND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO PROCEEDING WITH CONSTRUCTION.

D. REFER TO THE GENERAL NOTES AND SPECIFICATION SHEETS FOR ALL PIPE MATERIAL AND JOINT SPECIFICATIONS.

E. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS OUTSIDE OF CONSTRUCTION LIMITS TO ORIGINAL CONDITION OR BETTER.

F. CONTRACTOR SHALL VERIFY IN FIELD EXACT SIZE, MATERIAL, INVERT, PIPE ROUTING, AND SLOPE OF ALL EXISTING UTILITIES AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.

G. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF UTILITY TRENCHES DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING AND BRACING AS NECESSARY TO MAINTAIN STABILITY UNTIL CONSTRUCTION OF THE UTILITY IS COMPLETE IN ORDER TO MEET OSHA AND LOCAL CODES, AS WELL AS MANUFACTURER'S REQUIREMENTS.

H. ALL RCP STORM SEWER PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS IV, PER ASTM C-76 WITH FLEXIBLE (O-RING) GASKET JOINTS IN CONFORMANCE WITH ASTM C-443 AND SECTION 31-1.06 OF THE "STANDARD SPECIFICATIONS".

I. TRENCH BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR DENSITY (ASTM D-1557) OVER ALL UNDERGROUND UTILITIES WHICH ARE CONSTRUCTED UNDER OR WITHIN 2 FEET OF ANY PROPOSED OR EXISTING PAVEMENT OR SIDEWALKS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

J. ADJUST RIM ELEVATIONS OF EXISTING STRUCTURES IN PAVEMENT AS NECESSARY TO MEET PROPOSED FINISHED GRADE.

K. CONTRACTOR TO COORDINATE ALL CONNECTIONS TO CITY UTILITIES AND STORM SEWERS WITH THE PUBLIC WORKS DEPARTMENT.

L. CONTRACTOR TO USE CAUTION WHEN EXCAVATING AT EXISTING UTILITY LINES.

M. ALL STORM MANHOLES SHALL HAVE OPEN LIDS UNLESS OTHERWISE SPECIFIED.

N. ALL EXISTING UTILITIES TO BE ABANDONED IN PLACE SHALL BE CAPPED WITH 2' LONG (MIN) NON-SHRINK CONCRETE MORTAR PLUGS AT BOTH ENDS.

O. CONTRACTOR TO USE FLEXIBLE RUBBER BOOT THAT MEETS ASTM C423 WHERE PROPOSED SANITARY SEWER CONNECTS TO EXISTING MANHOLE.

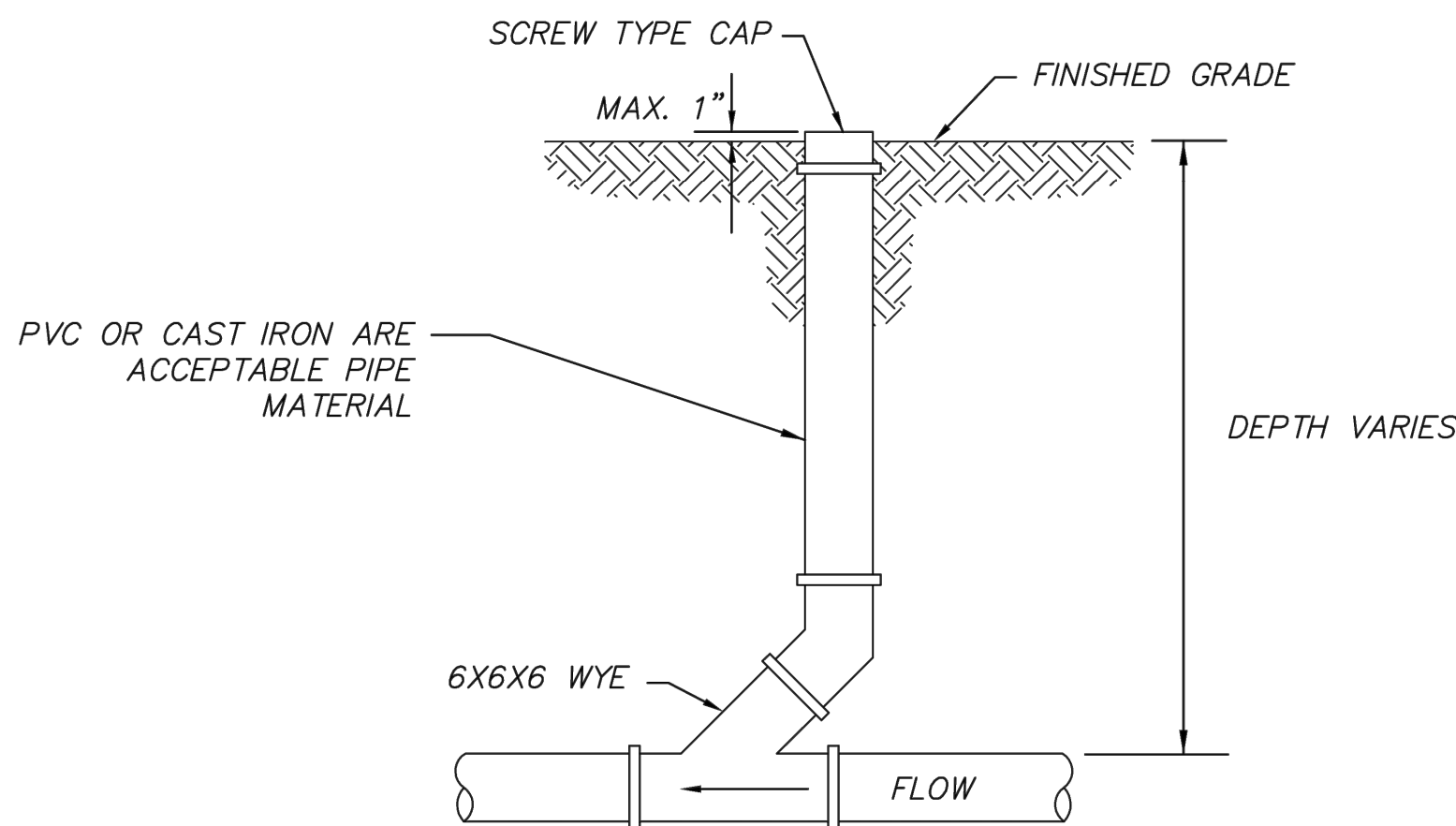
P. PROVIDE RUBBER MISSION COUPLER OR SIMILAR CONNECTION BETWEEN PIPES OF DISSIMILAR SIZE OR MATERIAL.

**ISSUE**

TO	DATE
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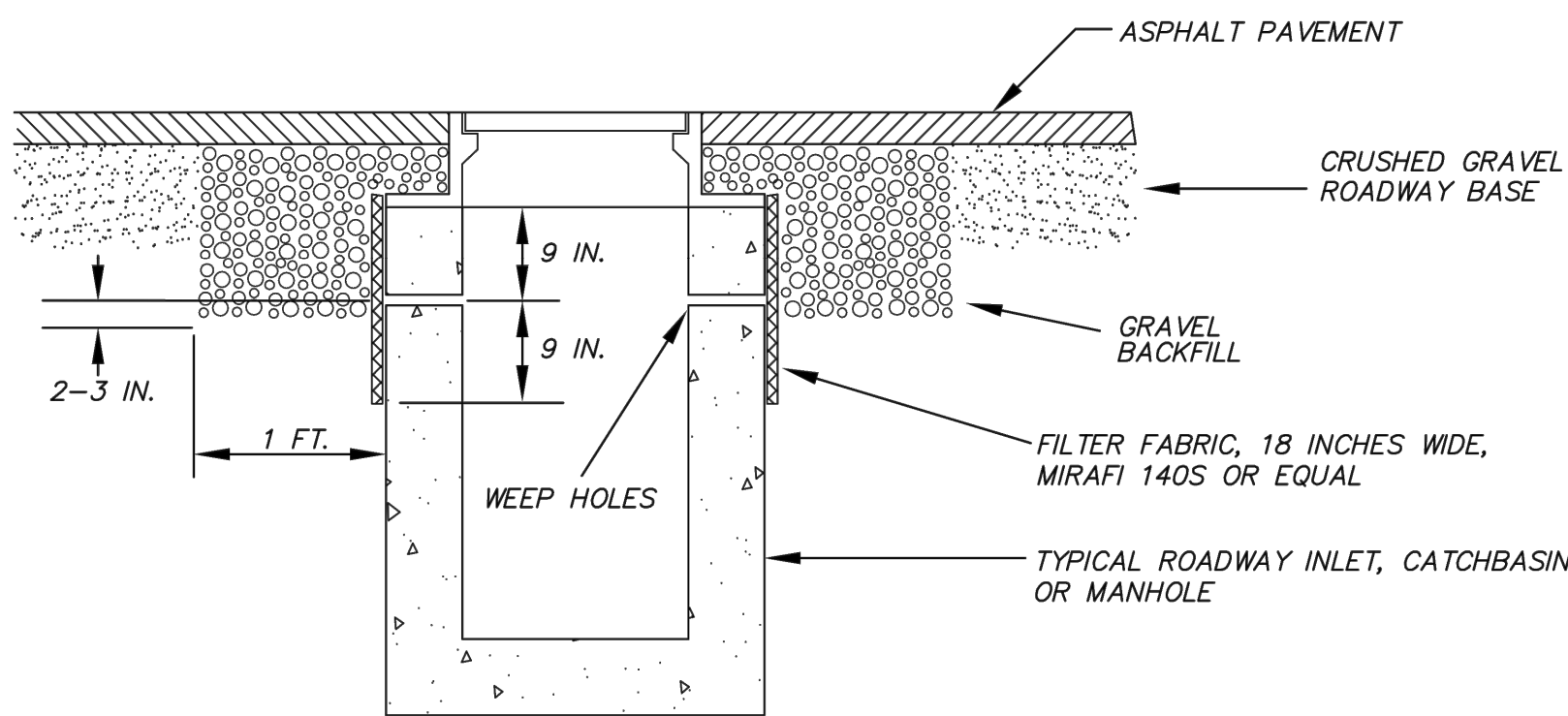
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**C-6.4**  
SITE UTILITY PLAN



#### CLEAN OUT DETAIL

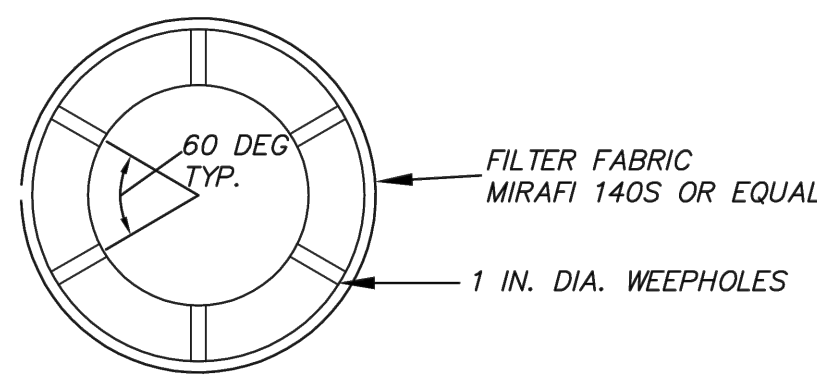
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: CLNOUT.DWG	SHEET NO. 1 OF 1					



SIDE VIEW

#### NOTES

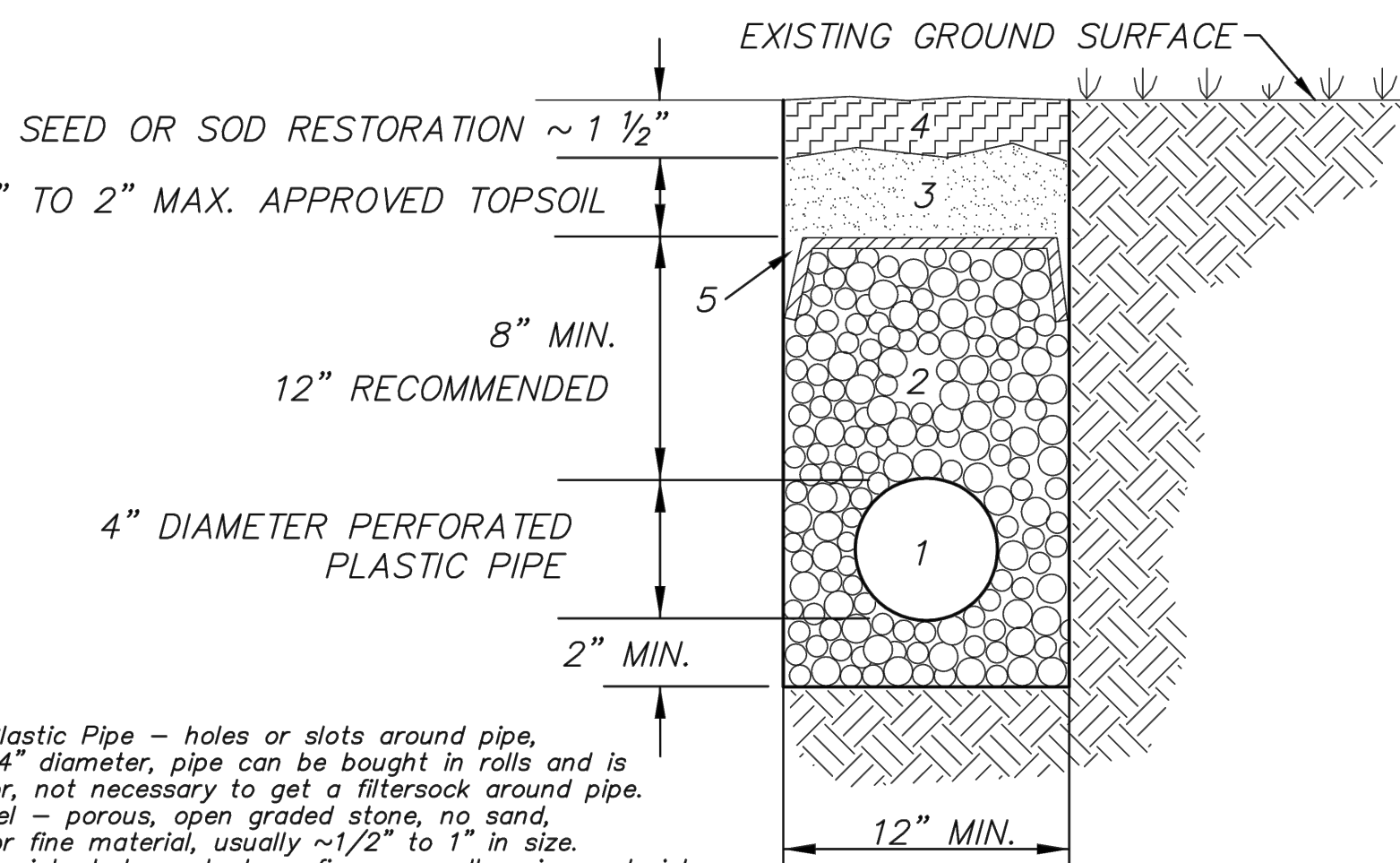
1. SECURE FILTER FABRIC WITH CLAMPS OR MASTIC.
2. ALL STORM STRUCTURES IN PAVEMENT SHALL FOLLOW THIS DETAIL.



TOP VIEW

#### WEEPHOLE DETAIL

SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: WEEPHOLE.DWG	SHEET NO. 1 OF 1					



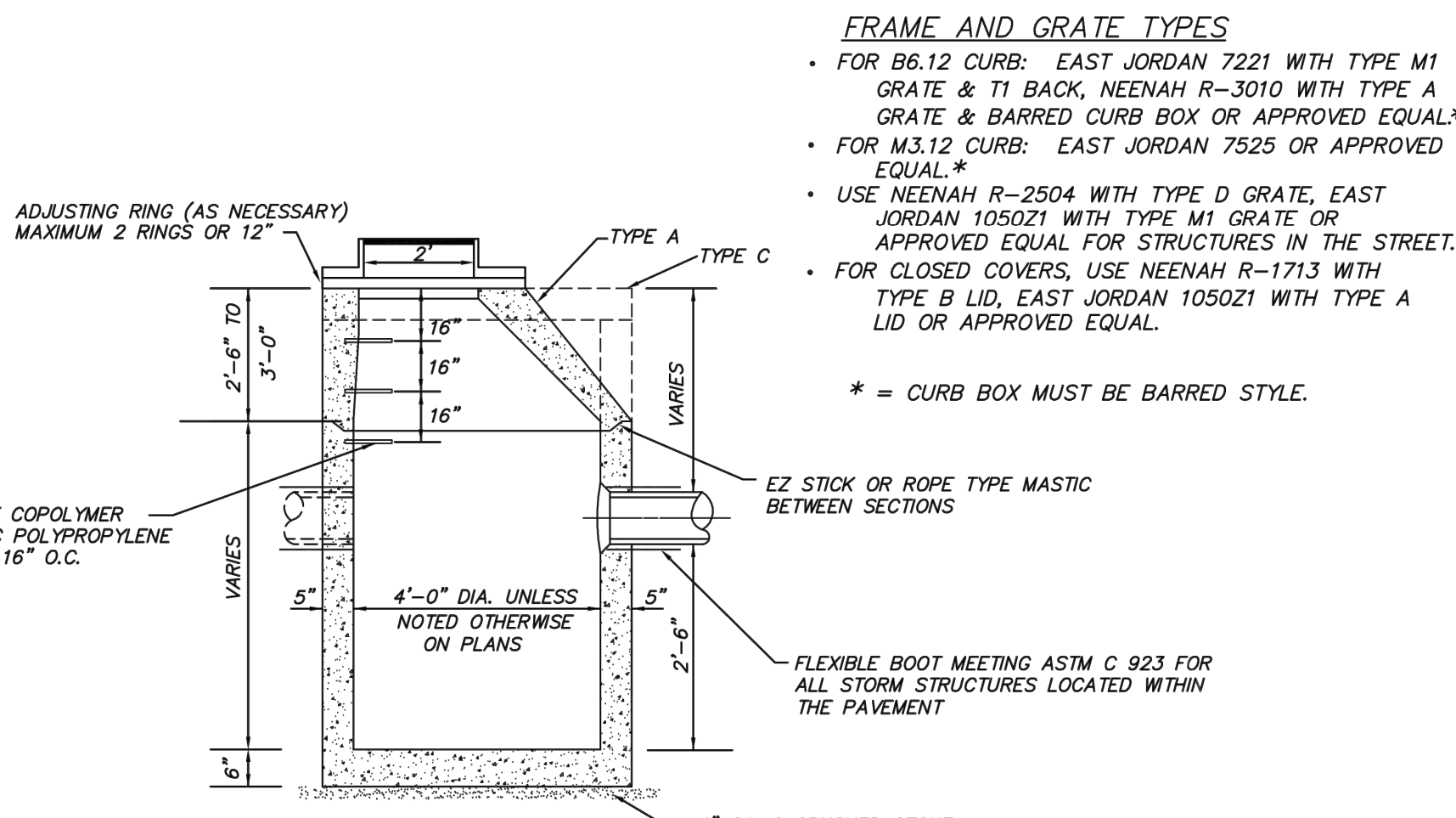
1. Perforated Plastic Pipe – holes or slots around pipe, recommend 4" diameter, pipe can be bought in rolls and is black in color, not necessary to get a filtersock around pipe.
2. Washed Gravel – porous, open graded stone, no sand, pea gravel or fine material, usually ~1/2" to 1" in size.
3. Topsoil – consistent, loose texture, fine or small grainy material, recommend 1" to 2" maximum depth. Do not not use excavated dirt for the topsoil layer. Watch out for clays – yellow, brown, grey or black in color. The topsoil layer is critical for the system to work effectively.
4. Sod Restoration – or seeding can be used with 1 1/2" additional topsoil to achieve 3" of topsoil coverage.
5. Filter Fabric – Used for erosion control, keeps topsoil from settling into stone layer.
6. A permit is required from the Code Enforcement Department Provide Plat with proposed work, \$50 fee, (847) 781-2631.
7. Public Works Department can make the connection to the storm structure if the resident installs the pipe. Call Public Works at (847) 490-6800.

JULIE Number: 1-800-892-0123

Another option is to bring the washed gravel to the top of the trench or to the existing ground surface.

#### PERFORATED PIPE DETAIL

SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	7-18-08	1.	MISC UPDATES	SLW	2/10		
DRAFTER	SLW						
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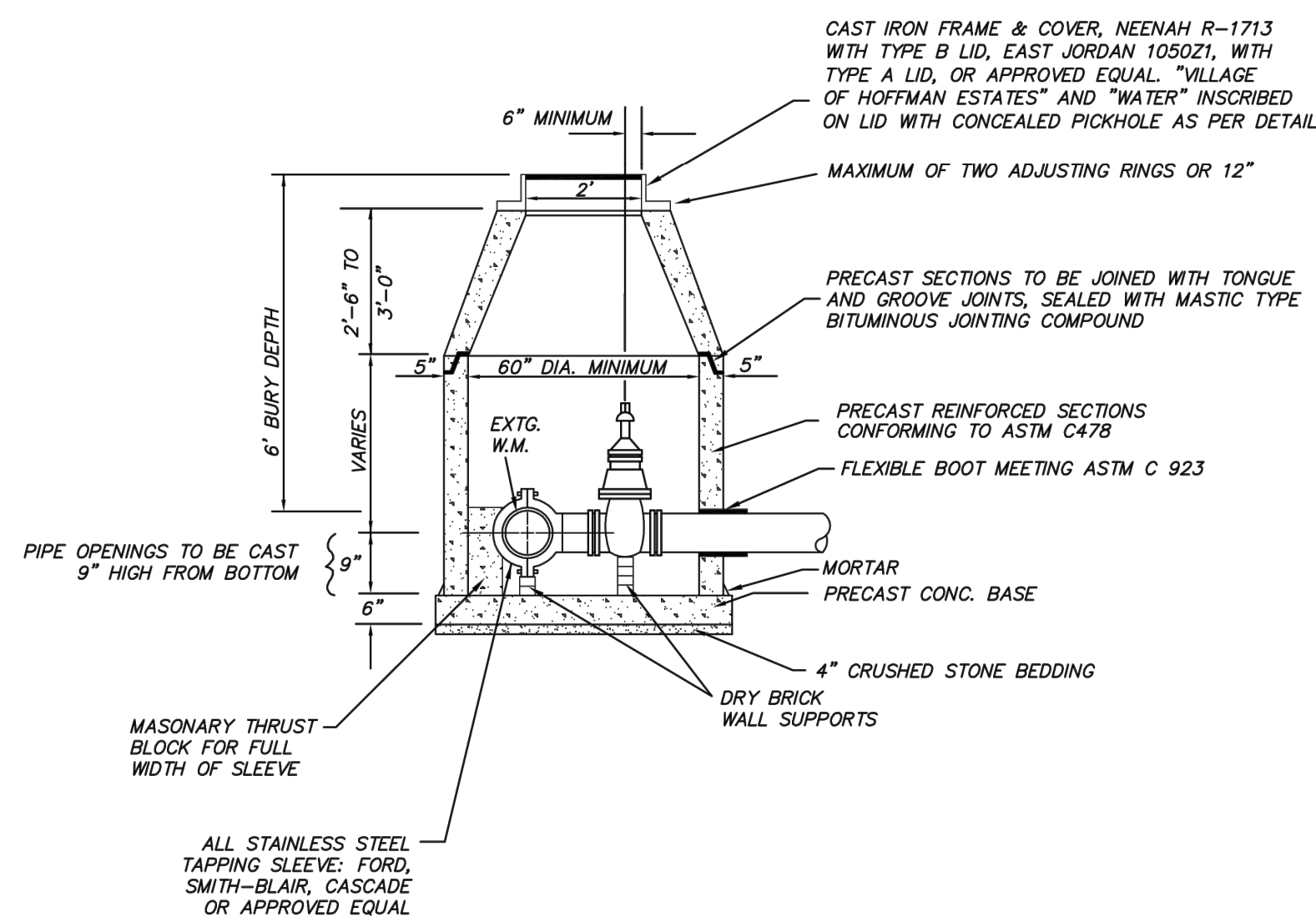


CATCH BASIN TYPE A & C

- NOTES:
1. ONLY PRECAST STRUCTURES ALLOWED.
  2. PRECAST CONCRETE BASE MUST BE INTEGRALLY CAST WITH THE LOWEST WALL SECTION.
  3. THE FRAME AND GRATE SHALL BE MORTARED TO THE CONCRETE STRUCTURE.
  4. ALL STRUCTURES LOCATED IN THE PAVEMENT SHALL FOLLOW THE WEEPHOLE DETAIL.

#### CATCH BASIN DETAIL

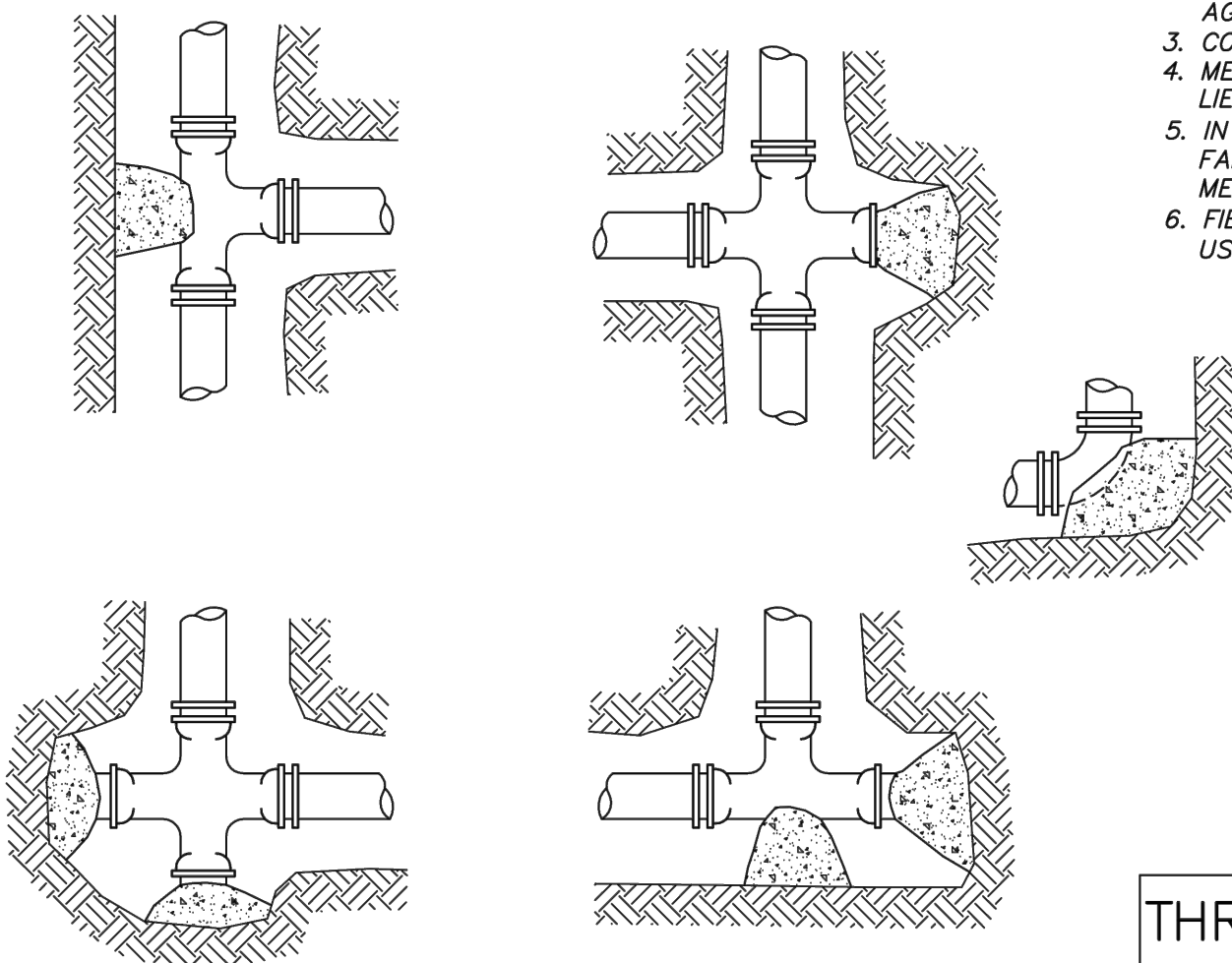
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: CTCHBASIN.DWG	SHEET NO. 1 OF 1					



NOTE: USE TWO ROWS OF ROPE TYPE MASTIC BETWEEN BOTTOM BARREL AND BASE. WATER MAIN MUST BE PRESSURE TESTED AND CHLORINATED BEFORE USE.

#### PRESSURE CONNECTION DETAIL

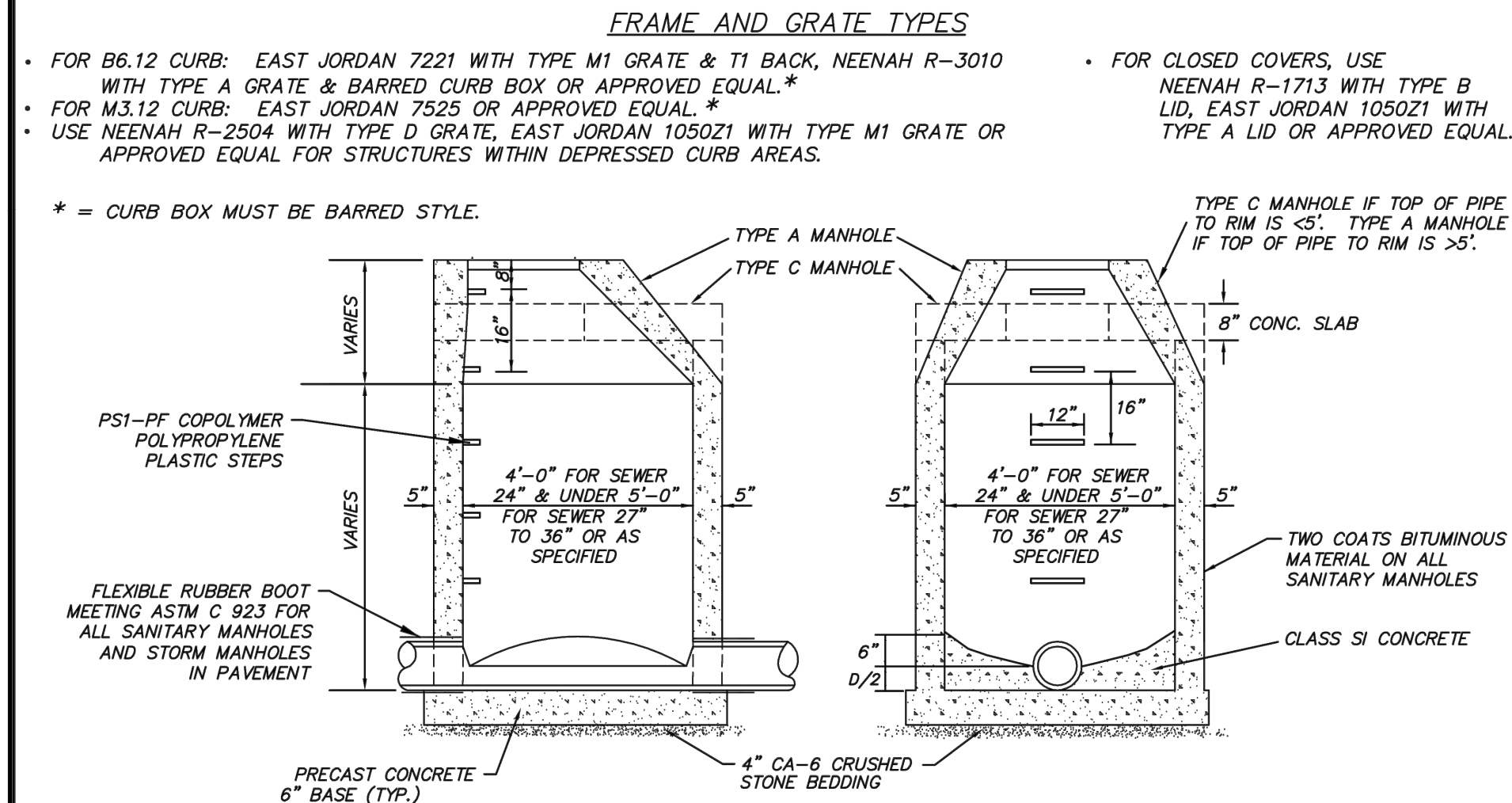
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DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: PRSSCONN.DWG	SHEET NO. 1 OF 1					



- NOTES:
1. THRUST BLOCKS SHALL BE AT ALL TEES AND BENDS OF 11-1/4" OR GREATER AND AT ALL DEAD END WATER MAINS.
  2. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
  3. CONCRETE SHALL BE 3000 P.S.I. (MIN.)
  4. MEGA-LUGS CAN BE USED IN LIEU OF THRUST BLOCKS.
  5. IN POOR SOIL CONDITIONS OR IN FAILING OR FALLING TRENCH WALLS, MEGA-LUGS MUST BE USED.
  6. FIELD LOK GASKET CAN BE USED IN LIEU OF THRUST BLOCKS.

#### THRUST BLOCKING DETAIL

SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: THRSBLK.DWG	SHEET NO. 1 OF 1					

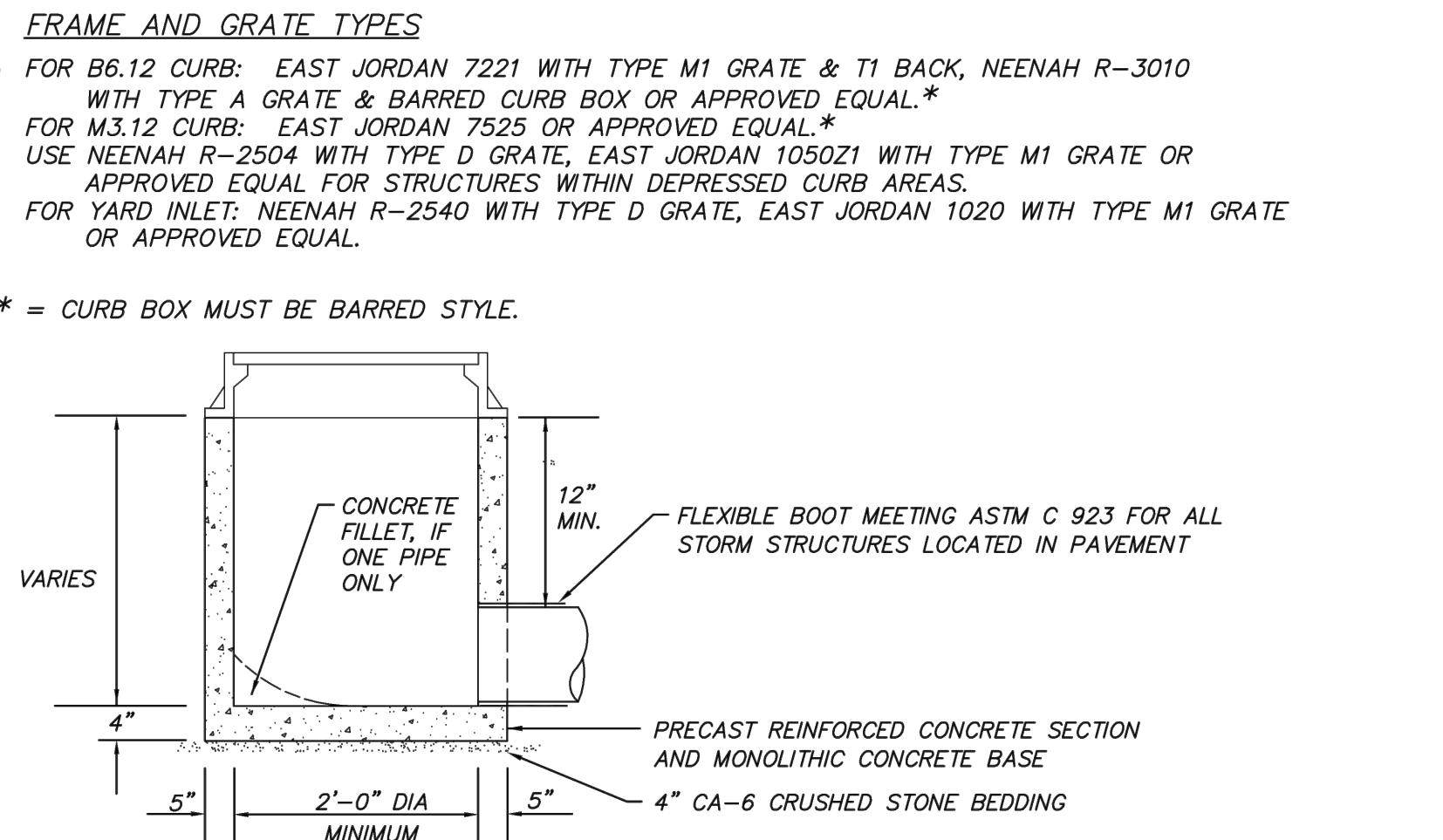


#### MANHOLE TYPES A & C

- NOTES:
1. ONLY PRECAST STRUCTURES ALLOWED.
  2. TWO ADJUSTING RINGS ALLOWED, MAXIMUM HEIGHT = 12".
  3. MANHOLE SECTIONS TO BE JOINED WITH ROPE TYPE MASTIC (E-2 STICK OR EQUAL).
  4. PRECAST CONCRETE BASE MUST BE INTEGRALLY CAST WITH THE LOWEST WALL SECTION.
  5. ALL GRATES PROVIDED SHALL BE BICYCLE SAFE.
  6. ALL SANITARY SEWER MANHOLES SHALL HAVE A CHIMNEY SEAL FROM CRETEX OR APPROVED EQUAL.
  7. ALL STORM STRUCTURES LOCATED IN THE PAVEMENT SHALL FOLLOW THE WEEPHOLE DETAIL.

#### MANHOLE DETAIL

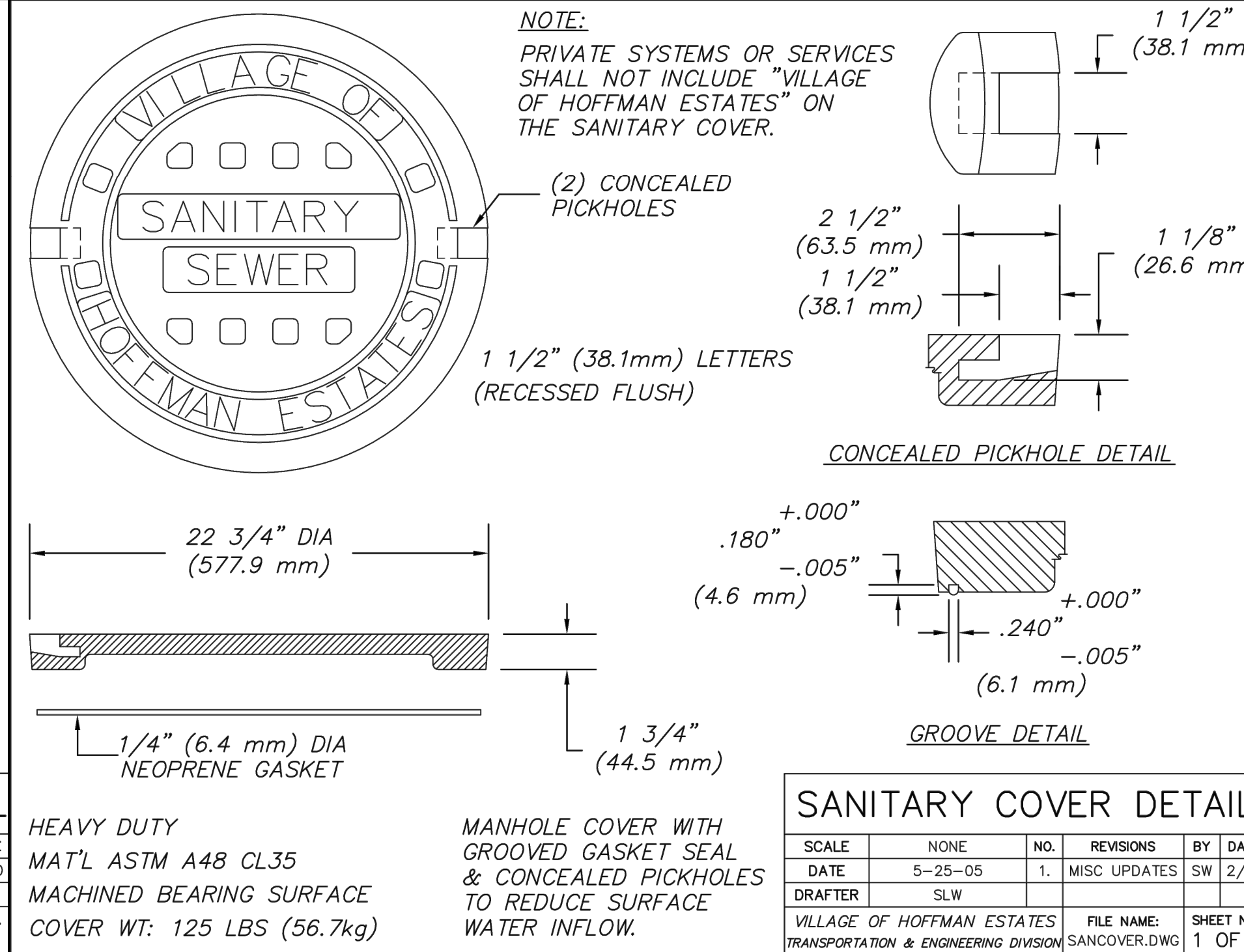
SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: MANHOLE.DWG	SHEET NO. 1 OF 1					



- NOTES:
1. ONLY PRECAST STRUCTURES ALLOWED.
  2. TWO ADJUSTING RINGS ALLOWED, MAXIMUM HEIGHT = 12".
  3. FRAME AND GRATE SHALL BE MORTARED TO THE INLET STRUCTURE.
  4. PRECAST CONCRETE BASE MUST BE INTEGRALLY CAST WITH THE LOWEST WALL SECTION.
  5. ALL GRATES PROVIDED SHALL BE BICYCLE SAFE.
  6. ALL STRUCTURES LOCATED IN THE PAVEMENT SHALL FOLLOW THE WEEPHOLE DETAIL.

#### 2' INLET DETAIL

SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: INLET.DWG	SHEET NO. 1 OF 1					



#### SANITARY COVER DETAIL

SCALE	NONE	NO.		REVISIONS		BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10		
DRAFTER	SLW						
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION	FILE NAME: SANCOVER.DWG	SHEET NO. 1 OF 1					