

R.G. JONES ELEMENTARY

PARKING LOT ADDITION

CLEVELAND, OH

PREPARED FOR
CLEVELAND METROPOLITAN SCHOOL DISTRICT
3840 RIDGE ROAD
CLEVELAND, OH 44144

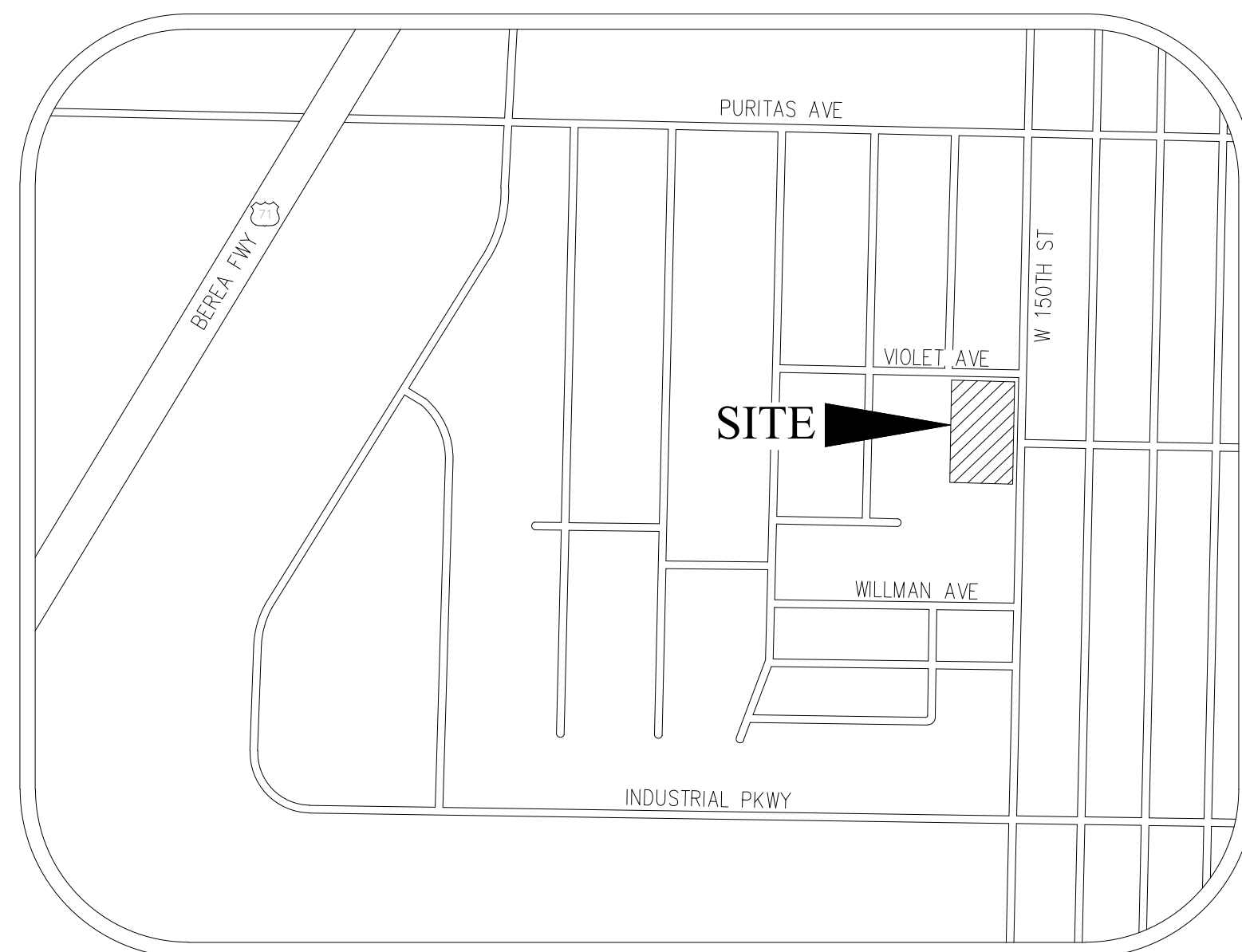
4550 W 150TH STREET, CITY OF CLEVELAND,
COUNTY OF CUYAHOGA, AND STATE OF OHIO

BENCHMARKS

- BENCHMARK 1**
IRON PIN SET, ORANGE CAP WITH BLACK TRIANGLE, LOCATED EST OF ENTRANCE APRON AT VIOLET AVE.
N: 10000.0000'
E: 10000.0000'
ELEV: 790.000'
- BENCHMARK 2**
EXISTING BUILDING FINISH FLOOR. SEE PLAN FOR EXACT LOCATIONS
ELEV: 789.12
- CP 1**
MONUMENT BOX
INTERSECTION OF VIOLET AVENUE AND WEST 154TH STREET
N: 9988.6620
E: 9596.4180
- CP 2**
MONUMENT BOX
INTERSECTION OF VIOLET AVENUE AND WEST 150TH STREET
N: 10059.7590'
E: 10269.0500'

STANDARD ODOT DETAILS

STANDARD DRAWING NUMBER	ITEM DESCRIPTION
CB-1.2	CATCH BASIN 2-3



VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

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APPROVALS

SIGNATURES BELOW SIGNIFY CONCURRENCE WITH THE GENERAL PURPOSE AND LOCATION OF THE PROPOSED PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE DESIGN ENGINEER PREPARING THE PLANS.

PLAN SET APPROVED BY:

CITY OF CLEVELAND ENGINEERING DEPARTMENT _____ DATE _____

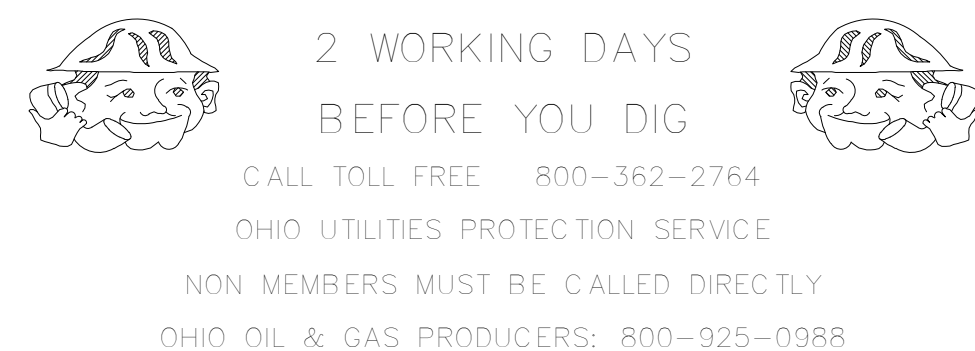
UTILITY CONTACTS

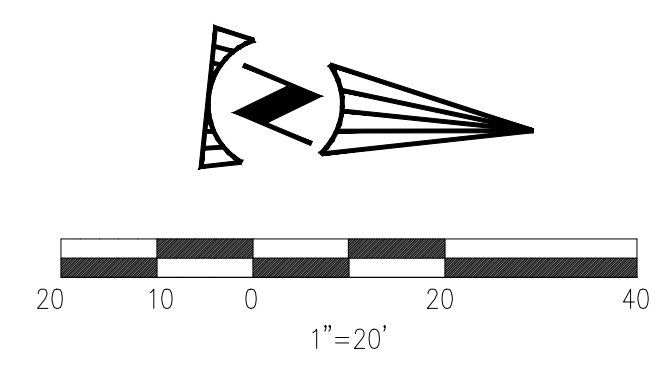
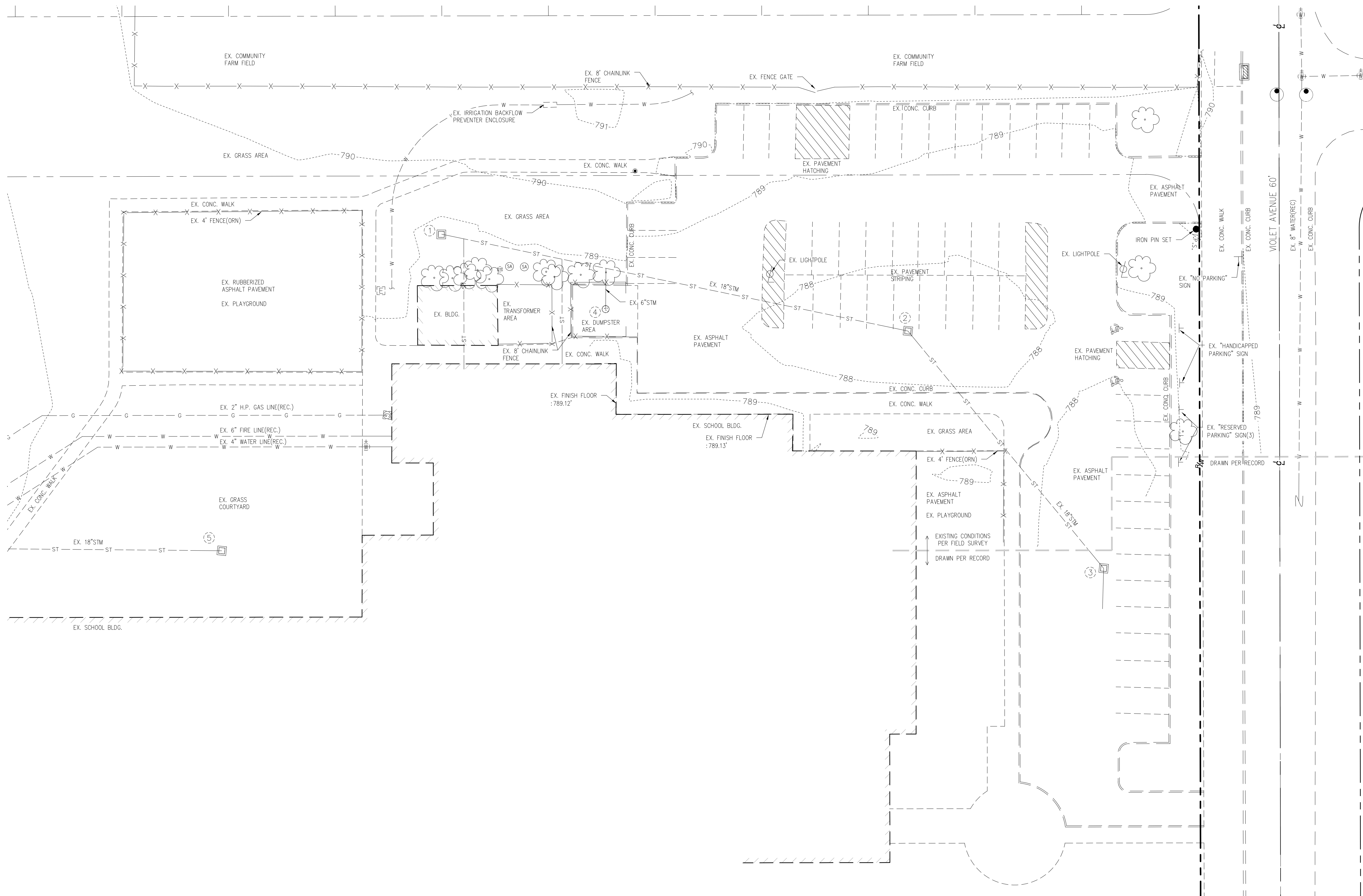
- SEWERS (COMBINED MAIN IN R/W)**
NEORS
3900 EUCLID AVE
CLEVELAND, OHIO 441415
PHONE: 216-881-6600
- GAS COMPANY**
DOMINION ENERGY OHIO
1201 E 55TH
CLEVELAND, OHIO 44103
PHONE: 800-362-7557
- STORM SEWERS (LATERALS)**
CLEVELAND WATER POLLUTION CONTROL
12302 KIRBY AVE
CLEVELAND, OHIO 44108
PHONE: 216-664-2750
- ELECTRIC COMPANY**
FIRST ENERGY - THE ILLUMINATING CO.
76 SOUTH MAIN ST.
AKRON, OH 44308
PHONE: 440-546-8737
- WATER SERVICE**
CLEVELAND WATER DEPARTMENT
1201 LAKESIDE AVE E
CLEVELAND, OHIO 44114
PHONE: 216-664-2444

PROJECT CONTACTS

- OWNER**
CLEVELAND METROPOLITAN SCHOOL DISTRICT
3840 RIDGE ROAD
CLEVELAND, OHIO 44114
CONTACT: JIM COZZA
PHONE: 216-785-4676
- CIVIL ENGINEER**
THE MANNIK & SMITH GROUP, INC.
23225 MERCANTILE ROAD
BEACHWOOD, OH 44122
CONTACT: JONATHAN ZIVODER
PHONE: 216-378-1490

DESCRIPTION	SCHEMATIC LAYOUT	ISSUED FOR BID AND PERMIT	REVISED PER CITY COMMENTS
BY	JKZ	JKZ	JKZ
DATE	05/30/2018	06/11/2018	09/10/2018
NO.			
23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216-378-1490 FAX: 216-378-1497	PROJECT DATE: JUNE 2018	PROJECT NO.: C5760001	JKZ
	DRAWN BY: JKZ	CHECKED BY: JKZ	
<p>TECHNICAL SKILL: CREATIVE SPIRIT:</p> <p>www.MannikSmithGroup.com</p>			
PREPARED FOR:	CLEVELAND METROPOLITAN SCHOOL DISTRICT	3840 RIDGE ROAD CLEVELAND, OH 44144	
<p>PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135</p>			
<p>TITLE SHEET</p>			
1	15		





LEGEND OF EXISTING CONDITIONS

- CATCH BASIN SQUARE
- CURB INLET
- ELECTRIC MANHOLE
- ELECTRIC BOX
- GAS METER
- LIGHT POLE
- ADA SYMBOL
- SANITARY MANHOLE
- SIGN PUBLIC
- TREE
- ELECTRICAL BOX
- WATER GATE VALVE
- PROPERTY LINE
- RIGHT-OF-WAY
- CENTER LINE
- CHAIN-LINK FENCE
- ST - STORM LINE
- W - WATER LINE

EXISTING STORM STRUCTURE TABLE

- ① CATCH BASIN #1379
T/C = 788.55
FL = 785.20 ~18"CPP(NE)
- ② CATCH BASIN #1245
T/C = 787.18
FL = 783.18 ~18"CPP(SW)
FL = 783.18 ~18"CPP(NE)
- ③ CATCH BASIN #1144
T/C = 787.04
FL = 781.84 ~18"CPP(SW)
FL = 781.84 ~18"CPP(E)
- ④ CATCH BASIN #1399
T/C = 787.99
FL = 785.09 ~6"PVC(W)
- ⑤ CATCH BASIN #1501
T/C = 787.90
FL = 784.60 ~18"CPP(N)
FL = 784.60 ~18"CPP(S)

NO.	DATE	BY	DESCRIPTION
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23225 MERCANTILE ROAD
BEACHWOOD, OH 44122
TEL: 216.278.1490
FAX: 216.278.1497

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DRAWN BY: JKZ
CHECKED BY: JKZ

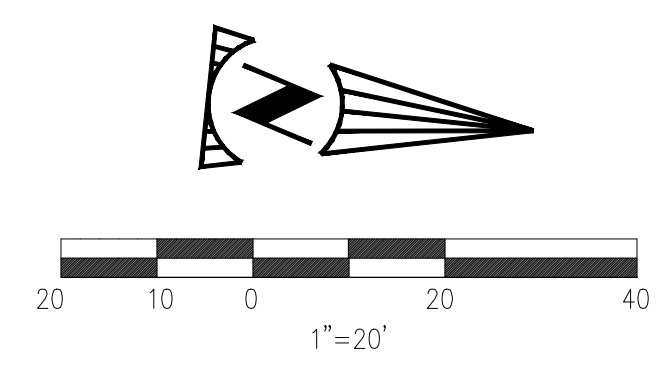
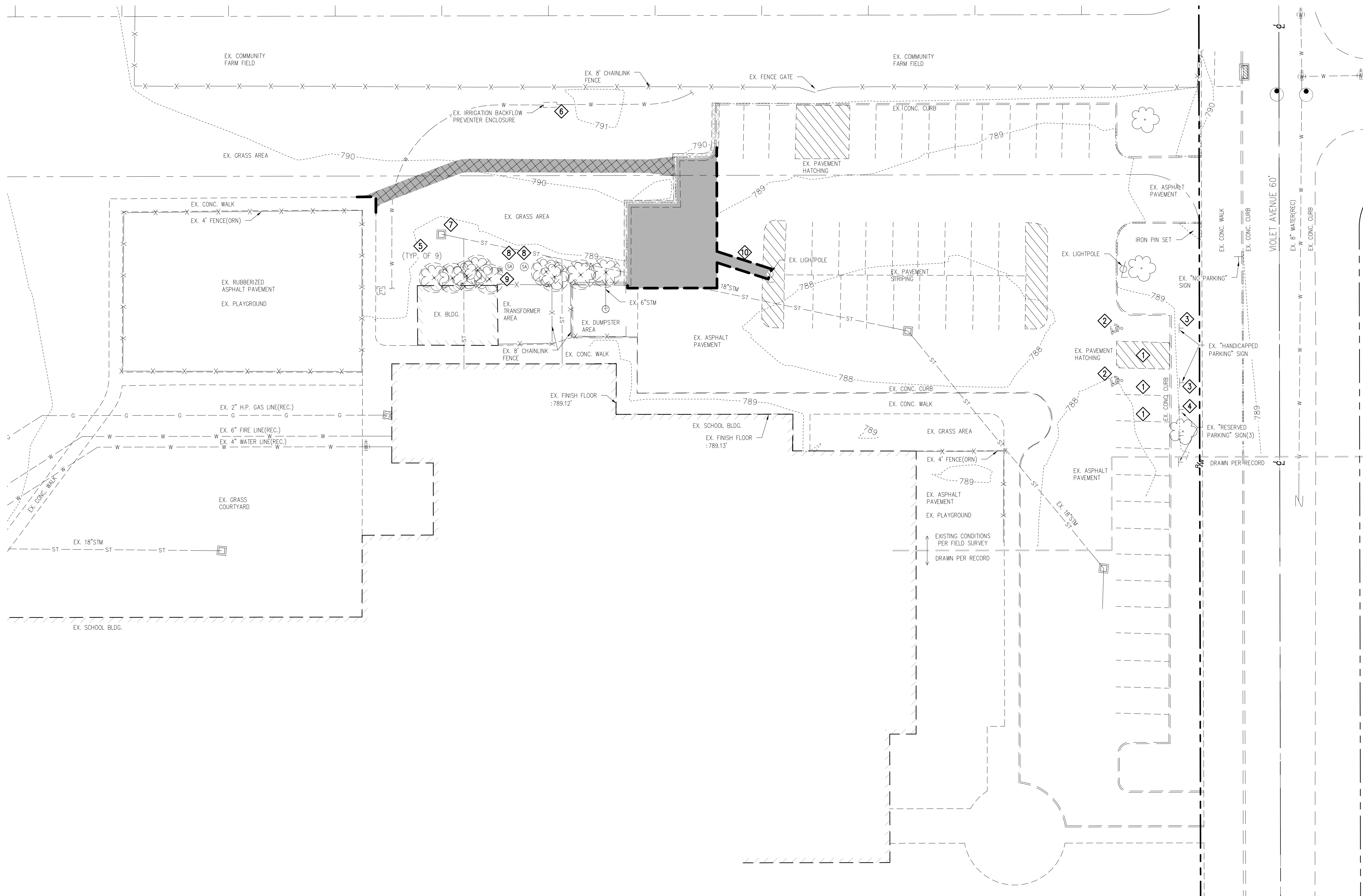
TECHNICAL SKILL:
CREATIVE SPIRIT:

www.MannitSmithGroup.com

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EXISTING CONDITIONS



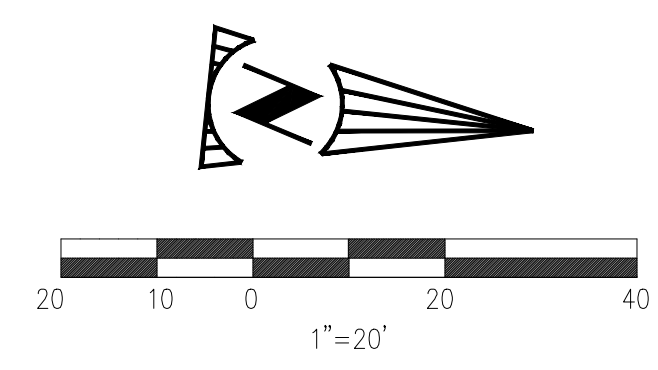
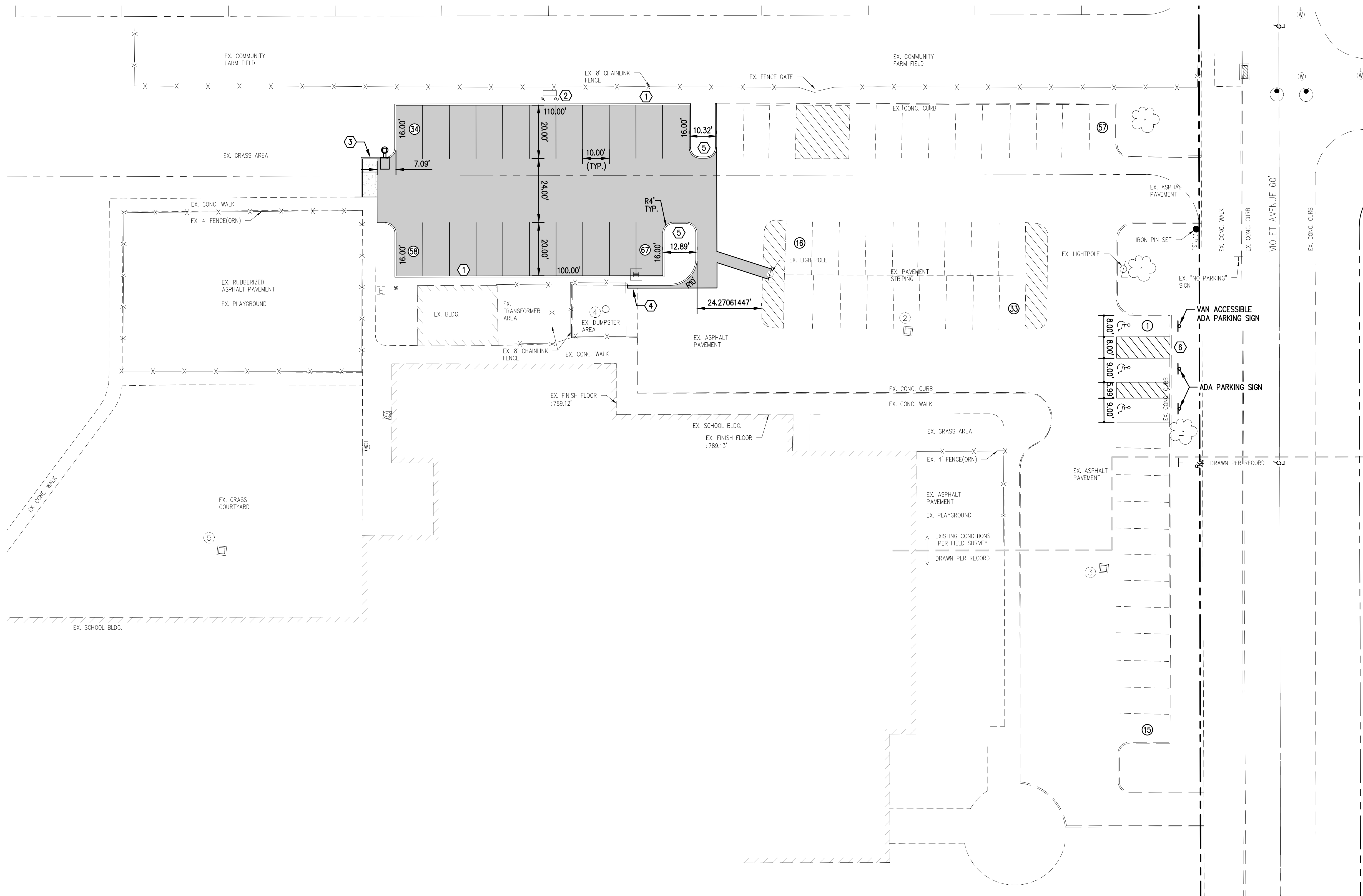
DEMOLITION LEGEND

- ASPHALT PAVEMENT REMOVAL
- CONCRETE WALK REMOVAL
- SAWCUT
- CONCRETE CURB REMOVAL
- TREE REMOVAL
- DEMOLITION CODED NOTE



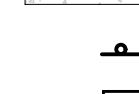
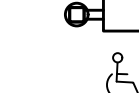
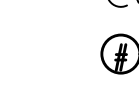
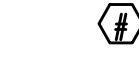

DEMOLITION CODED NOTES:

- 1 PAVEMENT MARKINGS TO BE BLACKED OUT TO ALLOW FOR NEW STRIPING PER THE SITE LAYOUT PLAN
- 2 PAINTED HANDICAP SYMBOL TO BE BLACKED OUT TO ALLOW FOR NEW SYMBOL PER THE SITE LAYOUT PLAN
- 3 EXISTING HANDICAP PARKING SIGN TO BE REMOVED AND RELOCATED PER THE SITE LAYOUT PLAN.
- 4 EXISTING RESERVED PARKING SIGN TO BE REMOVED.
- 5 TREES TO BE REMOVED, ALL STUMPS TO BE GRINDED DOWN 18" BELOW GRADE AS NECESSARY.
- 6 EXISTING IRRIGATION SERVICE LINE AND BACKFLOW PREVENTER TO BE RELOCATED PER THE SITE LAYOUT AND SITE UTILITY PLANS.
- 7 EXISTING CATCH BASIN TO REMAIN AND BE RE-USED FOR THE PROPOSED PARKING LOT. INLET CASTING SHALL BE SALVAGED AND ADJUSTED TO FINISH GRADE.
- 8 EXISTING GREASE TRAP MANHOLES TO REMAIN. CASTINGS TO BE ADJUSTED TO FINISHED GRADE PER THE GRADING PLAN.
- 9 EXISTING CLEAN OUT TO REMAIN. CLEAN OUT CAP TO BE ADJUSTED TO FINISHED GRADE PER THE GRADING PLAN.
- 10 SAWCUT AND REMOVE ASPHALT PAVEMENT TO ACCOMMODATE ELECTRICAL SERVICE CONNECTION TO PROPOSED SITE LIGHT.

	DESCRIPTION SCHEMATIC LAYOUT ISSUED FOR BID AND PERMIT REVISED PER CITY COMMENTS	BY JKZ JKZ	DATE 05/30/2018 06/11/2018 09/10/2018	NO. 1 2 3 4 5 6 7 8 9 10	PROJECT NO.: C578001 DRAWN BY: JKZ CHECKED BY: JKZ
23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216-278-1490 FAX: 216-278-1497		PROJECT DATE: JUNE 2018 PROJECT NO.: C578001 DRAWN BY: JKZ CHECKED BY: JKZ		TECHNICAL SKILL: CREATIVE SPIRIT: www.MannitSmithGroup.com	
PREPARED FOR: CLEVELAND METROPOLITAN SCHOOL DISTRICT 3840 RIDGE ROAD CLEVELAND, OH 44114		PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135		DEMOLITION PLAN	
3					15



PROPOSED SITE LAYOUT LEGEND

-  ASPHALT PAVEMENT PER DETAIL
-  CONCRETE SIDEWALK PER DETAIL
-  SIGN
-  POLE MOUNTED SITE LIGHT
-  HANDI-CAP PARKING SYMBOL
-  PARKING SPACE COUNT
-  SITE LAYOUT CODED NOTE

SITE DATA TABLE

DISTURBED AREA	11,540 SF
NET IMPERVIOUS ADDITION	6,006 SF
EXISTING PARKING TOTAL	49
EXISTING PARKING ADA	2
PROPOSED PARKING TOTAL	67
PROPOSED PARKING ADA	3

SITE LAYOUT CODED NOTES:

- ① 6" VERTICAL CURB PER DETAIL UNDER DRAIN TO BE PROVIDED ALONG FULL LENGTH OF EAST CURB.
- ② (2) BOLLARDS PER DETAIL, CENTER BOLLARDS WITH CORNERS OF ENCLOSURE, PROVIDE 12" OF CLEARANCE BETWEEN FACE OF BOLLARD AND ENCLOSURE.
- ③ PEDESTRIAN WALK RAMP PER DETAIL. SEE GRADING PLAN FOR ELEVATIONS.
- ④ CONCRETE PAVEMENT REPAIR AS NEEDED FOR INSTALLATION OF CURB.
- ⑤ DISTURBED AREAS NOT BEING PAVED TO BE RE-SEEDED WITH GRASS. PARKING LOT ISLAND TO BE SEEDED WITH GRASS.
- ⑥ ADA PARKING STALL STRIPING AND SIGNAGE PER DETAIL.

LAYOUT GENERAL NOTES:

1. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE UNLESS OTHERWISE NOTED.

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PROJECT NO.:	C5760001	PROJECT DATE:	JUNE 2018
DRAWN BY:	JFK	CHECKED BY:	JKZ

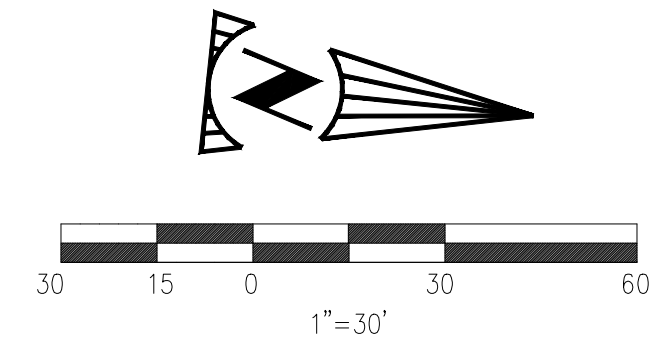
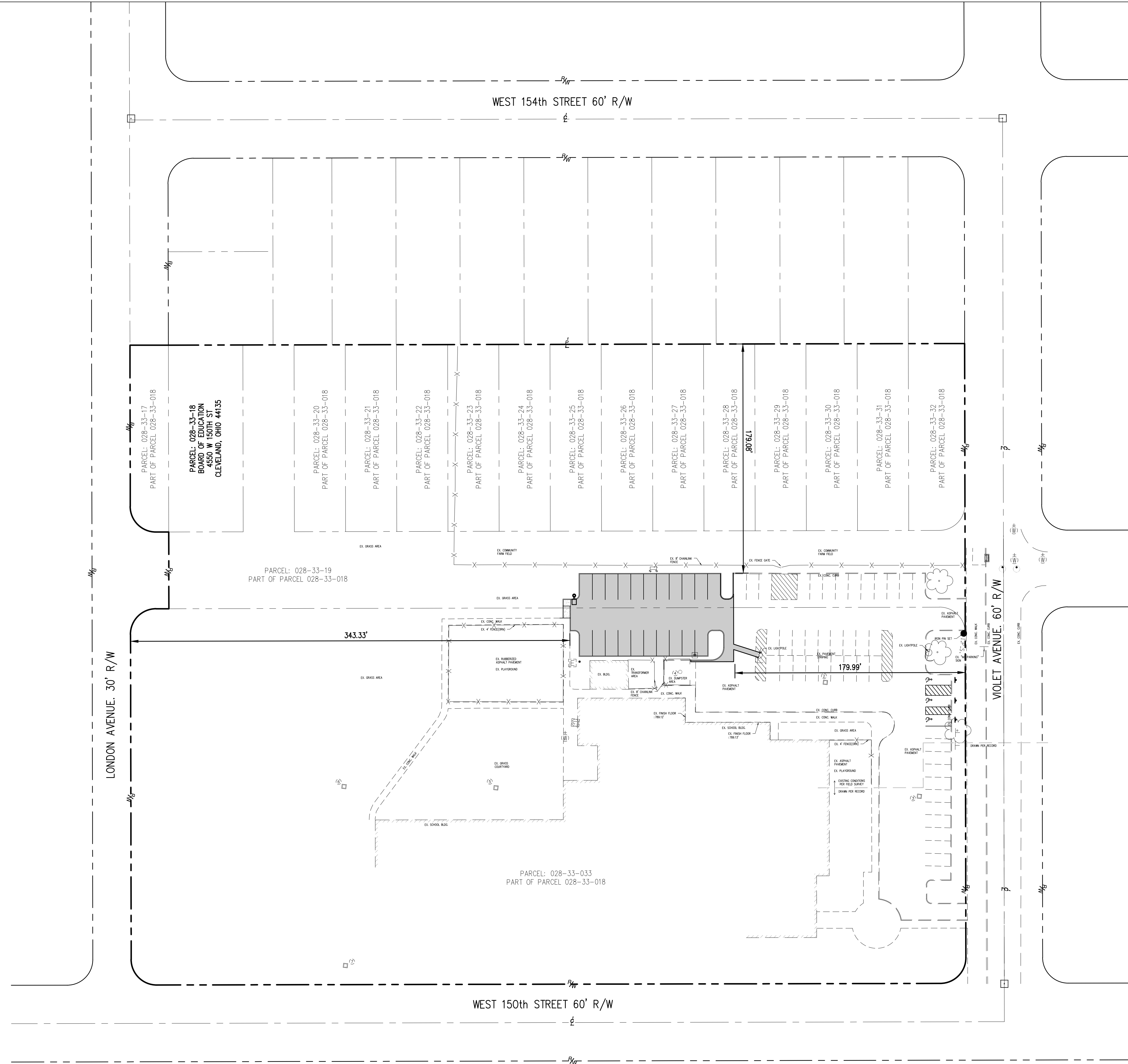
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TECHNICAL SKILL:
Mannitt Smith Group
CREATIVE SPIRIT:
Smith Group
www.MannittSmithGroup.com








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CLEVELAND METROPOLITAN SCHOOL DISTRICT
3840 RIDGE ROAD
CLEVELAND, OH 44114

PARKING LOT ADDITION
R.G. JONES ELEMENTARY
4550 W 150TH STREET
CLEVELAND, OH 44135

SITE LAYOUT PLAN



PROPOSED SITE LAYOUT LEGEND

-  ASPHALT PAVEMENT PER DETAIL
-  CONCRETE SIDEWALK PER DETAIL
-  SIGN
-  POLE MOUNTED SITE LIGHT
-  HANDI-CAP PARKING SYMBOL
-  PARKING SPACE COUNT
-  SITE LAYOUT CODED NOTE

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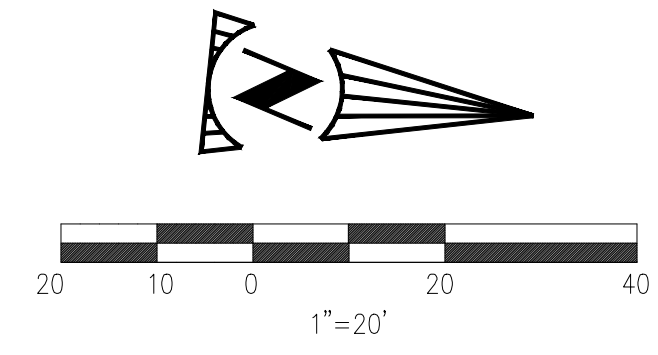
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Mannit Smith Group
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**PARKING LOT ADDITION
R.G. JONES ELEMENTARY
4550 W 150TH STREET
CLEVELAND, OH 44135**



PROPOSED UTILITIES LEGEND

- ST** PROPOSED STORM SEWER
- W** PROPOSED WATER LINE
- E** PROPOSED ELECTRIC SERVICE
- PROPOSED UNDERDRAIN
- CATCH BASIN, FINGER DRAINS WHERE SHOWN ON PLANS
- YARD DRAIN
- CLEAN OUT
- UTILITY CODED NOTE

PROPOSED STORM STRUCTURE TABLE

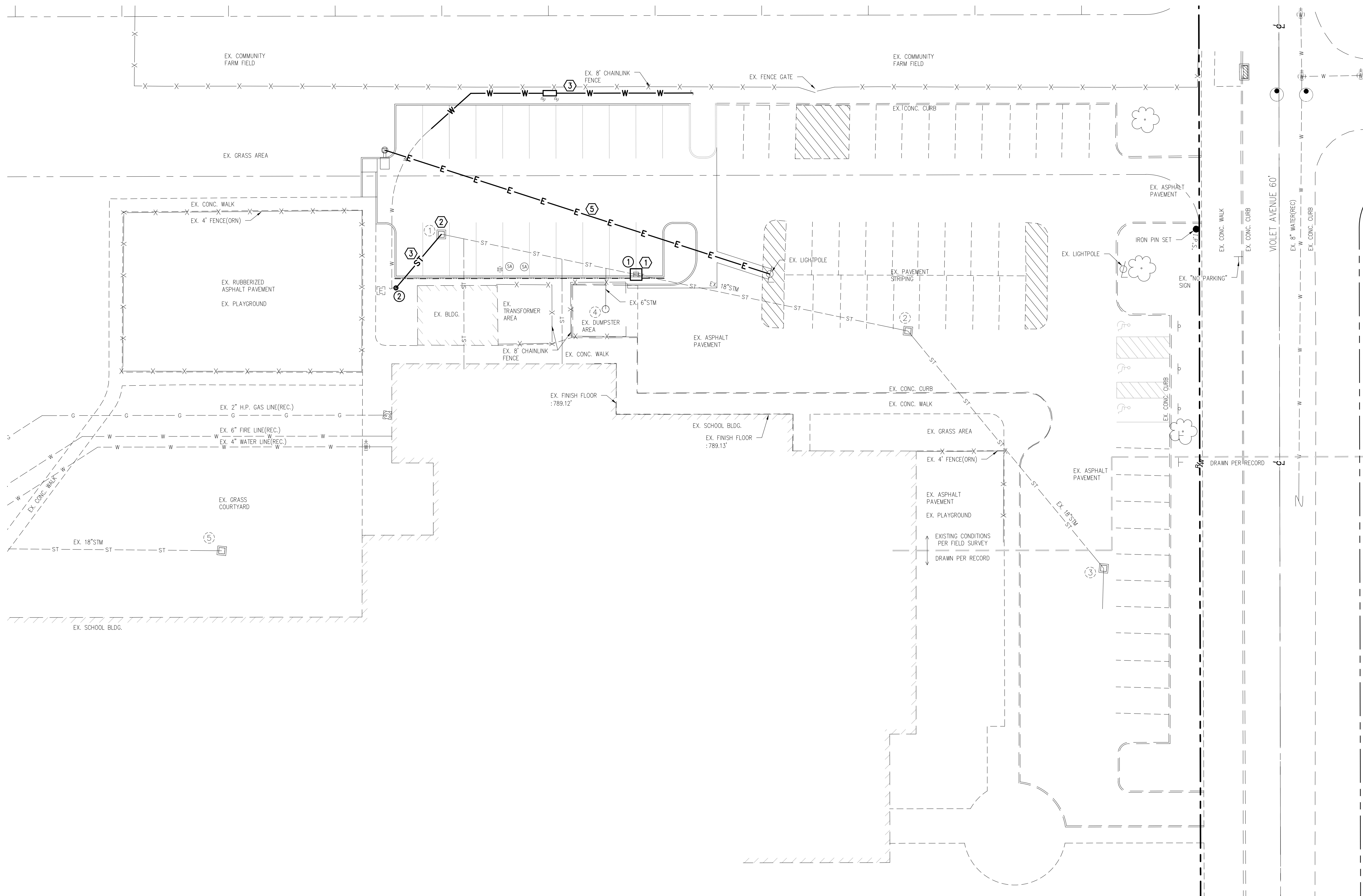
- ① CB ODOT 2-3
N: 9792.75
E: 10038.61
RIM 788.14
FL 784.36 ~ 18" NE
FL 784.36 ~ 18" SW
- ② YARD DRAIN
N: 9703.68
E: 10052.91
RIM 786.50
FL 786.53 ~ 8" NW

EXISTING STORM STRUCTURE TABLE

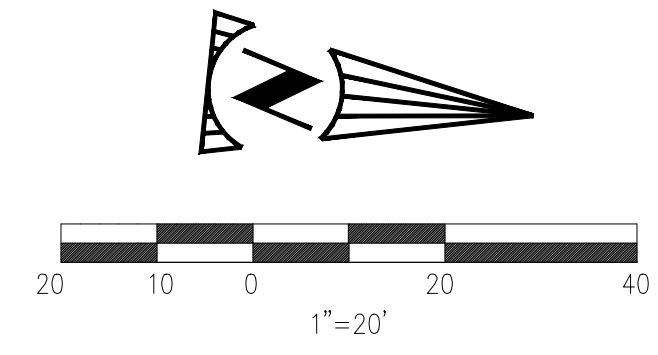
- ① CATCH BASIN #1379
N: 9792.75
E: 10038.61
RIM 788.14
FL = 786.00 ~ 8" SE
T/C = 787.16
- ② CATCH BASIN #1245
N: 9792.75
E: 10038.61
RIM 788.14
FL = 783.18 ~ 18" CPP(SW)
FL = 783.18 ~ 18" CPP(NE)
- ③ CATCH BASIN #1144
N: 10052.91
E: 9781.04
RIM 786.50
FL = 781.84 ~ 18" CPP(SW)
FL = 781.84 ~ 18" CPP(NE)
- ④ CATCH BASIN #1399
N: 9792.75
E: 10038.61
RIM 788.14
FL = 785.09 ~ 6" PVC(W)
- ⑤ CATCH BASIN #1501
N: 9792.75
E: 10038.61
RIM 788.14
FL = 784.60 ~ 18" CPP(N)
FL = 784.60 ~ 18" CPP(S)

UTILITY CODED NOTES:

- ① PROPOSED CATCH BASIN TO BE PLACED INLINE WITH EXISTING STORM SEWER LINE, AND ALIGNED WITH PROPOSED CURB. EXISTING STORM TO BE CUT AND RECONNECTED TO PROPOSED STRUCTURE. CONTRACTOR SHALL VERIFY DEPTH AND LOCATION OF STORM SEWER PRIOR TO INSTALLATION.
- ② CORE EXISTING CATCH BASIN FOR NEW 8" YARD DRAIN CONNECTION.
- ③ RELOCATE EXISTING IRRIGATION BACKFLOW PREVENTER ENCLOSURE 3' FROM THE BACK OF THE PROPOSED CURB TO THE FACE OF THE ENCLOSURE. RE-ROUTE EXISTING WATER LINE TO NEW ENCLOSURE LOCATION AND TO ALLOW FOR INSTALLATION OF PROPOSED CURB. PIPE MATERIAL SHALL BE REPLACED LIKE IN KIND. COORDINATE WATER SERVICE SHUT DOWN WITH OWNER.
- ④ 27 LF PROPOSED 8" STORM LINE AT 2.00%
- ⑤ PROVIDE ELECTRIC SERVICE TO PROPOSED SITE LIGHT BY UTILIZING EXISTING UNDERGROUND SITE LIGHTING ELECTRIC SERVICE LINES. CONTRACTOR TO VERIFY EXISTING ELECTRIC SOURCE IS OF ADEQUATE CAPACITY TO SERVE THE PROPOSED ADDITIONAL SITE LIGHT.



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23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216.278.1490 FAX: 216.278.1497					
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PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135					
SITE UTILITY PLAN					
5					15



PROPOSED GRADING LEGEND

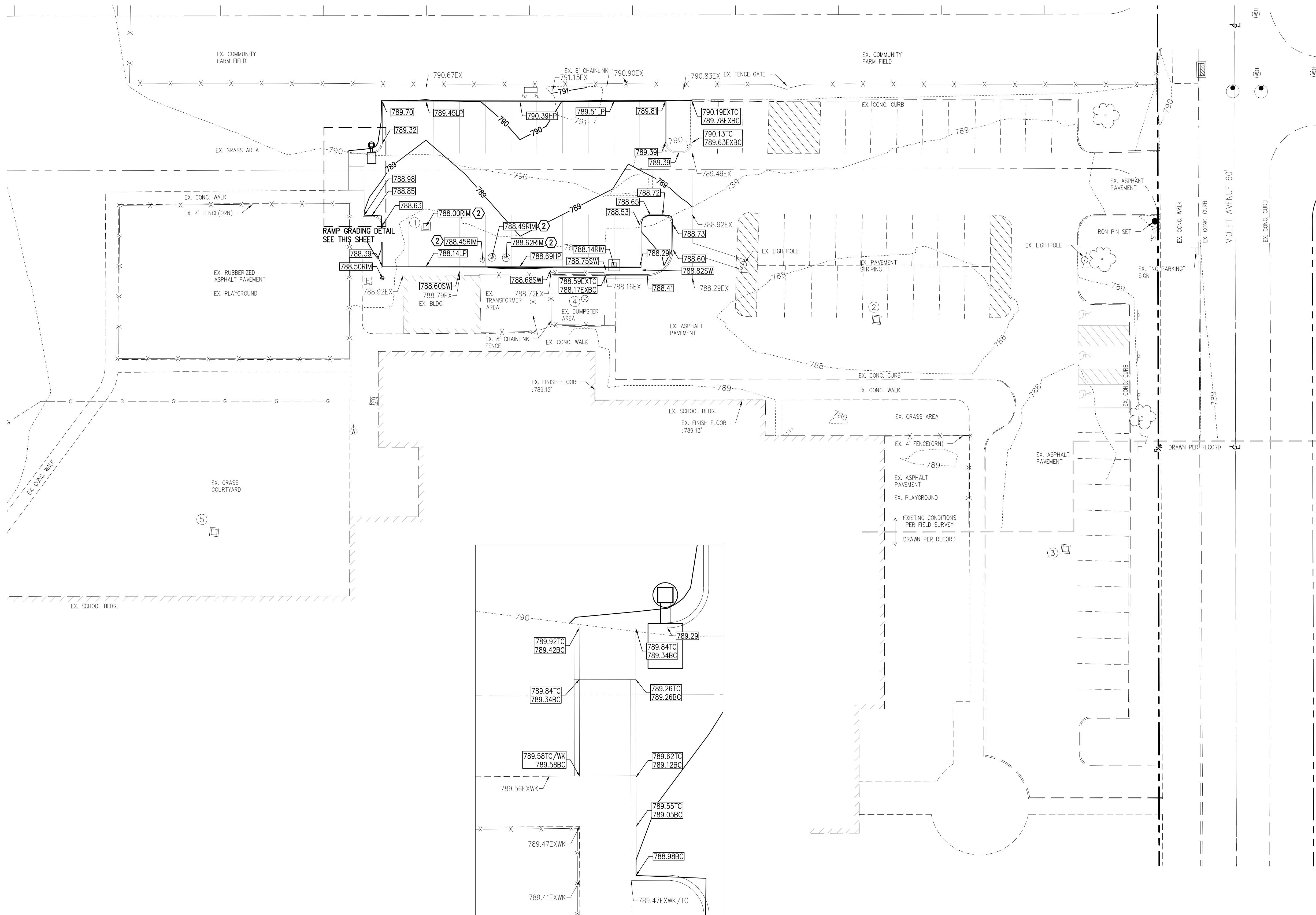
- 99 — PROP. INTERMEDIATE CONTOUR
- 100 — PROP. INDEX CONTOUR
- 99 --- EXISTING INTERMEDIATE CONTOURS
- 100 --- EXISTING INDEX CONTOURS
- ▲ 3.5 PROPPOSED SLOPE INDICATOR
- RIDGE VALLEY --- RIDGE, VALLEY, OR GRADE BREAK AS INDICATED
- 0.00% PAVT/SWALE SLOPE PERCENT
- RUNOFF FLOW DIRECTION
- 000.00 PROPOSED SPOT ELEVATION
- 000.00 EXISTING SPOT ELEVATION
- TC TOP OF CURB
- BC BOTTOM OF CURB
- HP HIGH POINT
- LP LOW POINT
- EX. MEET EXISTING PAVEMENT GRADE
- WK WALK
- PA PAVEMENT
- RIM STRUCTURE RIM
- FF FINISH FLOOR
- SW SWALE
- Ⓢ GRADING CODED NOTE

GRADING CODED NOTES:

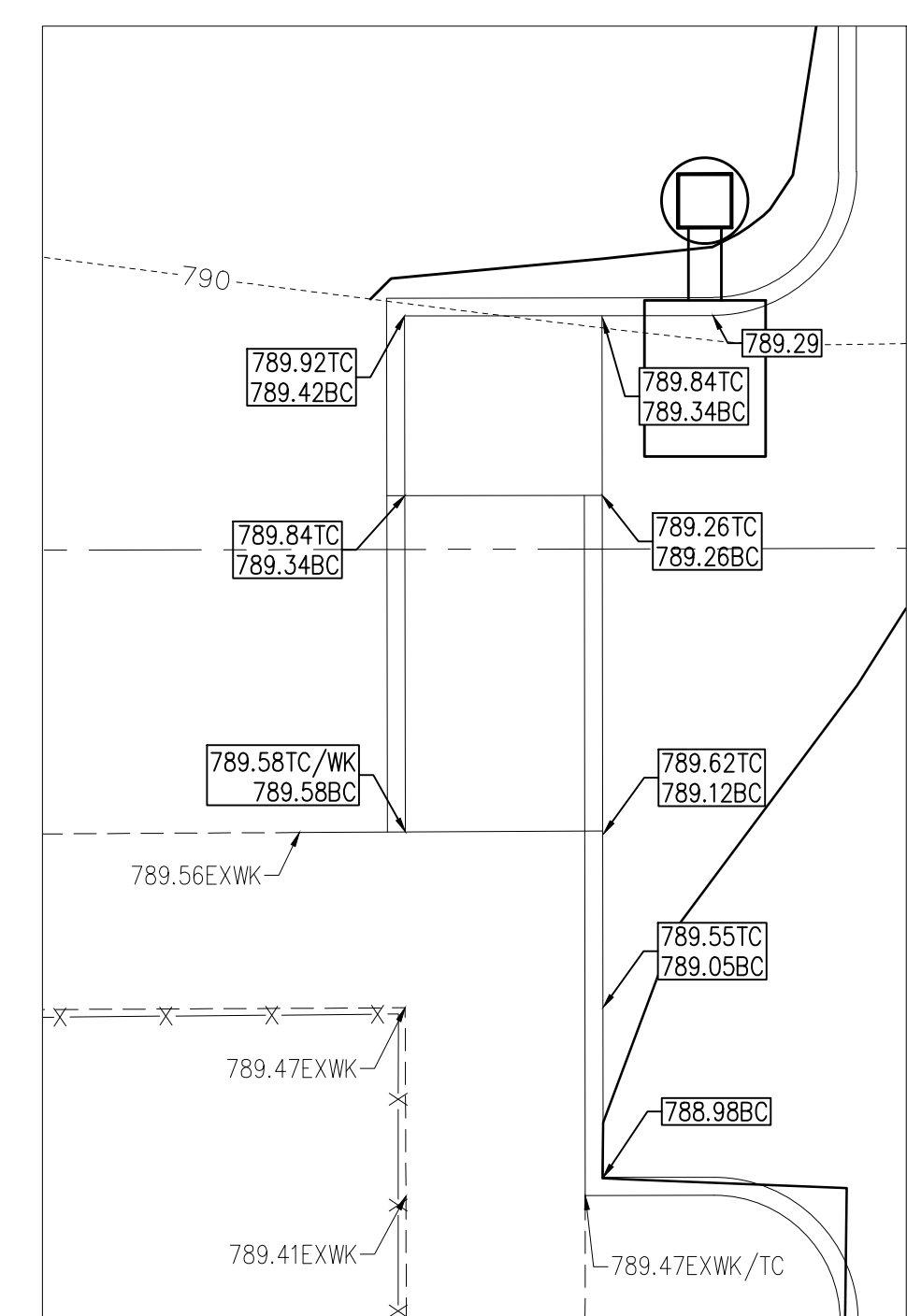
- ① CONTRACTOR SHALL REFERENCE GEOTECHNICAL REPORT PREPARED BY THE MANNIK AND SMITH GROUP, JUNE 19 2018. CONTRACTOR RESPONSIBLE TO MEET ALL REQUIREMENTS AND RECOMMENDATIONS FOUND IN THE GEOTECHNICAL REPORT.
- ② EXISTING STRUCTURE RIMS TO BE ADJUSTED TO THE PROPOSED GRADES SHOWN.

GRADING GENERAL NOTES:

1. SPOT ELEVATIONS SHOWN DEPICT THE PROPOSED PAVEMENT OR GROUND SURFACE OR PAVEMENT ELEVATION AT FACE OF CURB, UNLESS OTHERWISE NOTED. TOP OF ALL CONCRETE CURBING IS 6-INCHES ABOVE SPOT ELEVATIONS NOTED.

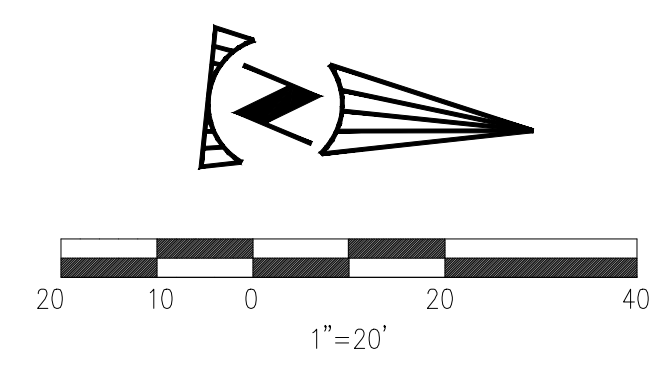
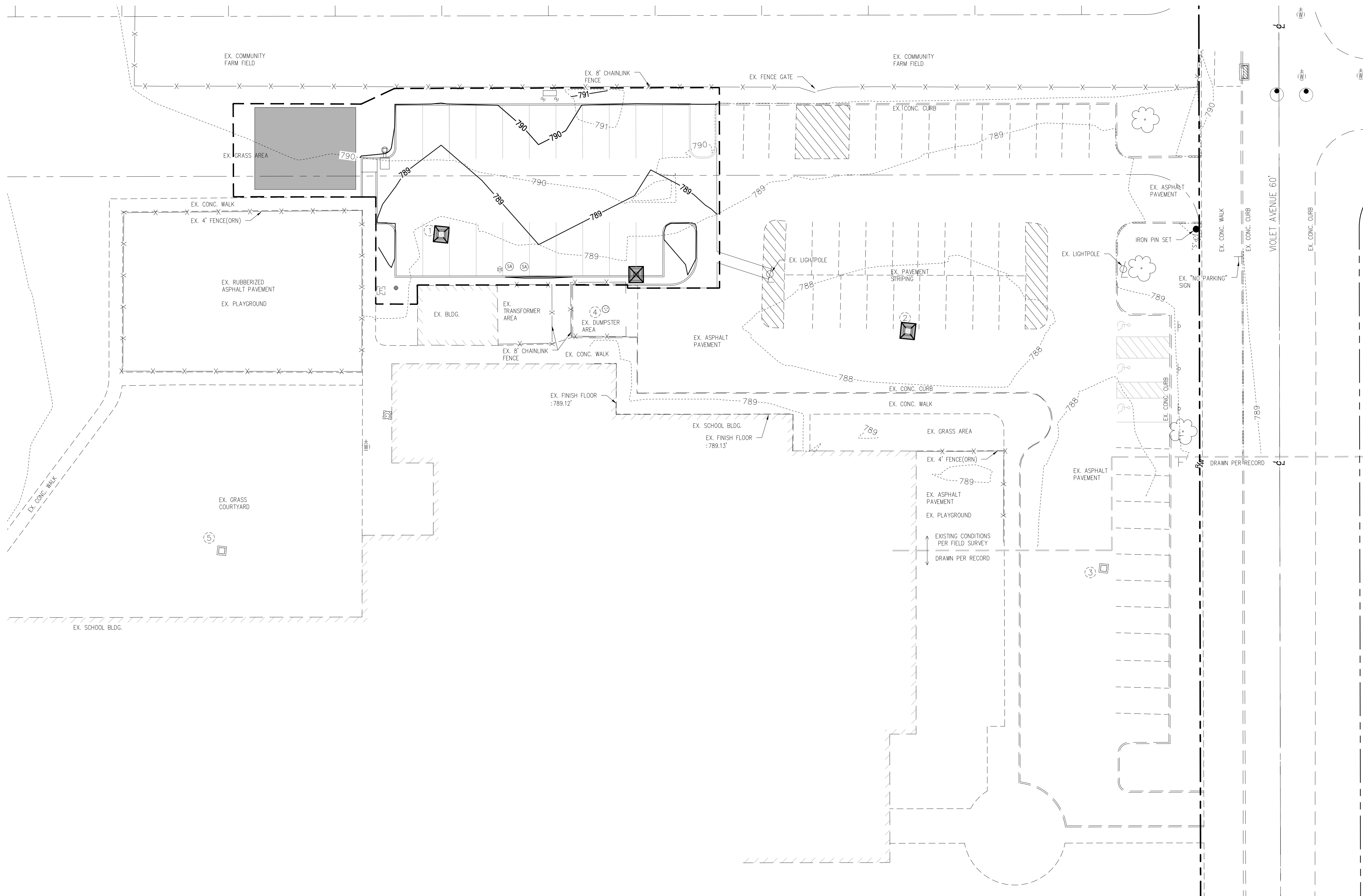


RAMP GRADING DETAIL
SEE THIS SHEET



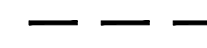



RAMP GRADING DETAIL
1" = 5'

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					PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135				
					SITE GRADING PLAN				
6					15				



SWPPP ELEMENTS LEGEND

-  GEOTEXTILE INLET PROTECTION. DANDY BAG DROP INLET PROTECTION (OR APPROVED EQUAL) OR FILTER SOCK BARRIER MAY BE USED IN PAVED AREAS.
-  TEMPORARY STAGING AREA FOR FUELING, EQUIPMENT, AND DISPOSAL/STORAGE OF SOLID/SANITARY TOXIC WASTES
-  DISTURBED AREA LIMITS

7	STORM WATER POLLUTION PREVENTION PLAN	PREPARED FOR: CLEVELAND METROPOLITAN SCHOOL DISTRICT 3840 RIDGE ROAD CLEVELAND, OH 44114	 TECHNICAL SKILL. CREATIVE SPIRIT. www.MannitSmithGroup.com	23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216-278-1490 FAX: 216-278-1497	PROJECT DATE: JUNE 2018 PROJECT NO.: C576001 DRAWN BY: JJK CHECKED BY: JJK	NO. _____ DATE: 05/30/2018 BY: JJK 06/11/2018 JJK 09/10/2018 JJK	DESCRIPTION: SCHEMATIC LAYOUT ISSUED FOR BID AND PERMIT REVISED PER CITY COMMENTS
				PROJECT NO.: C576001 DRAWN BY: JJK CHECKED BY: JJK	DATE: 05/30/2018 BY: JJK 06/11/2018 JJK 09/10/2018 JJK	DESCRIPTION: SCHEMATIC LAYOUT ISSUED FOR BID AND PERMIT REVISED PER CITY COMMENTS	
				PROJECT NO.: C576001 DRAWN BY: JJK CHECKED BY: JJK	DATE: 05/30/2018 BY: JJK 06/11/2018 JJK 09/10/2018 JJK	DESCRIPTION: SCHEMATIC LAYOUT ISSUED FOR BID AND PERMIT REVISED PER CITY COMMENTS	

PERMANENT SEEDING SCHEDULE			
SEED MIX	SEEDING RATE		NOTES:
	Lbs./ ACRE	Lbs./1,000 SQ. FT.	
GENERAL USE			
CREeping RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	20-40 10-20 20-40	1/2-1 1/4-1/2 1/2-1	FOR CLOSE MOWING & FOR WATERWAYS WITH LESS THAN 2.0 FT/SEC. VELOCITY
TALL FESCUE	40-50	1 - 1 1/2	
TURF-TYPE- (DWARF) FESCUE	90	2 1/2	
STEEP BANKS OR CUT SLOPES			
TALL FESCUE	40-50	1 - 1 1/2	
CROWN VETCH TALL FESCUE	10-20 20-30	1/2 - 1/2 1/2 - 1/2	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESCUE	20-25 20-30	1/2 - 1/2 1/2 - 1/2	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES			
TALL FESCUE	40-50	1 1/2	
TURF-TYPE (DWARF) FESCUE KENTUCKY BLUEGRASS	90 5	2 1/2 0.1	
LAWNS			
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	100-120 -	2 2	
KENTUCKY BLUEGRASS CREeping RED FESCUE	100-120 -	2 1 1/2	DO NOT SEED LATER THAN AUGUST

TEMPORARY SEEDING			
SEEDING DATES	SPECIES	LB./1000 FT ²	LB./ACRE
MARCH 1 TO AUGUST 15	OATS	3	128 (4 BUSHEL)
	TALL FESCUE	1	4.0
	ANNUAL RYEGRASS	1	4.0
	PERENNIAL RYEGRASS	1	4.0
	TALL FESCUE	1	4.0
	ANNUAL RYEGRASS	1	4.0
	ANNUAL RYEGRASS	1.25	55
	PERENNIAL RYEGRASS	3.25	142
	CREeping RED FESCUE	0.4	17
	KENTUCKY BLUEGRASS	0.4	17
	OATS	3	128 (3 BUSHEL)
TALL FESCUE	1	4.0	
ANNUAL RYEGRASS	1	4.0	
AUGUST 16 TO NOVEMBER	RYE	3	112 (2 BUSHEL)
	TALL FESCUE	1	4.0
	ANNUAL RYEGRASS	1	4.0
	WHEAT	3	120 (2 BUSHEL)
	TALL FESCUE	1	4.0
	ANNUAL RYEGRASS	1	4.0
	PERENNIAL RYE	1	4.0
	TALL FESCUE	1	4.0
	ANNUAL RYEGRASS	1	4.0
	ANNUAL RYEGRASS	1.25	4.0
	PERENNIAL RYEGRASS	3.25	4.0
CREeping RED FESCUE	0.4	4.0	
KENTUCKY BLUEGRASS	0.4	4.0	
NOVEMBER 1 TO FEB. 29	USE MULCH OR DORMANT SEEDING		

SWPPP AMENDMENT LOG			
PROJECT NAME:			
AMENDMENT NUMBER	DESCRIPTION OF THE AMENDMENT	DATE OF AMENDMENT	AMENDMENT PREPARED BY

CORRECTIVE ACTION LOG				
PROJECT NAME:				
INSPECTION DATE	INSPECTOR NAME	DESCRIPTION OF CORRECTIVE ACTION NEEDED (FROM INSPECTOR REPORT)	CORRECTIVE ACTION TAKEN	DATE ACTION TAKEN

SWPPP MODIFICATION LOG			
PROJECT NAME:			
AMENDMENT NUMBER	DESCRIPTION OF THE AMENDMENT	DATE OF AMENDMENT	AMENDMENT PREPARED BY

SWPPP GRADING AND STABILIZATION ACTIVITIES LOG				
PROJECT NAME:				
DATE GRADING ACTIVITY INITIATED	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED (INDICATE TEMP. OR PERMANENT)	DATE WHEN STABILIZATION MEASURES ARE INITIATED	DESCRIPTION OF STABILIZATION MEASURE AND LOCATION

DESCRIPTION SCHEMATIC LAYOUT ISSUED FOR BID AND PERMIT REVISED PER CITY COMMENTS	NO. DATE BY	PROJECT NO.: C576001 DRAWN BY: JJK CHECKED BY: JJK
		PROJECT DATE: JUNE 2018 PROJECT NO.: C576001 DRAWN BY: JJK CHECKED BY: JJK
23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216.378.1490 FAX: 216.378.1497		
Mannik Smith GROUP TECHNICAL SKILL. CREATIVE SPIRIT. www.MannikSmithGroup.com		
PREPARED FOR: CLEVELAND METROPOLITAN SCHOOL DISTRICT 3840 RIDGE ROAD CLEVELAND, OH 44114	PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135	SWPPP NOTES AND DETAILS
9	15	

GENERAL CONSTRUCTION NOTES:	DELETED MATERIAL. MATERIAL DELIVERED OR PLACED WITHOUT PLANT TICKETS SHALL BE REMOVED AND PROPERLY DISPOSED AT THE EXPENSE OF THE CONTRACTOR.	SPECIFICATIONS AND SHALL BE EITHER COLD LAID PLASTIC TAPE OR PAINTED AS DESIGNATED IN THE PLANS OR PAVEMENT MARKING DETAILS.	CONTRACTOR. "PROOF" ROLLING WILL BE REQUIRED PRIOR TO PAVING AND SHALL BE CONDUCTED PRIOR TO PLACEMENT OF AGGREGATE BASE AND PERFORMED WITH THE OWNER'S INSPECTOR PRESENT AND PAID FOR BY THE CONTRACTOR.	SANITARY SEWER ARE PROHIBITED.
DESCRIPTION	SCHEMATIC LAYOUT	ISSUED FOR BID AND PERMIT	REVISED PER CITY COMMENTS	
NO.	DATE	BY		
1.	05/30/2018	JKZ		
2.	06/11/2018	JKZ		
3.	09/10/2018	JKZ		
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STORM UTILITY NOTES				
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PREPARED FOR:
CLEVELAND METROPOLITAN SCHOOL DISTRICT
 3840 RIDGE ROAD
 CLEVELAND, OH 44144

PROJECT NO.: C5760001
 PROJECT DATE: JUNE 2018
 DRAWN BY: JKZ
 CHECKED BY: JKZ

PROJECT NO.: C5760001
 PROJECT DATE: JUNE 2018
 DRAWN BY: JKZ
 CHECKED BY: JKZ

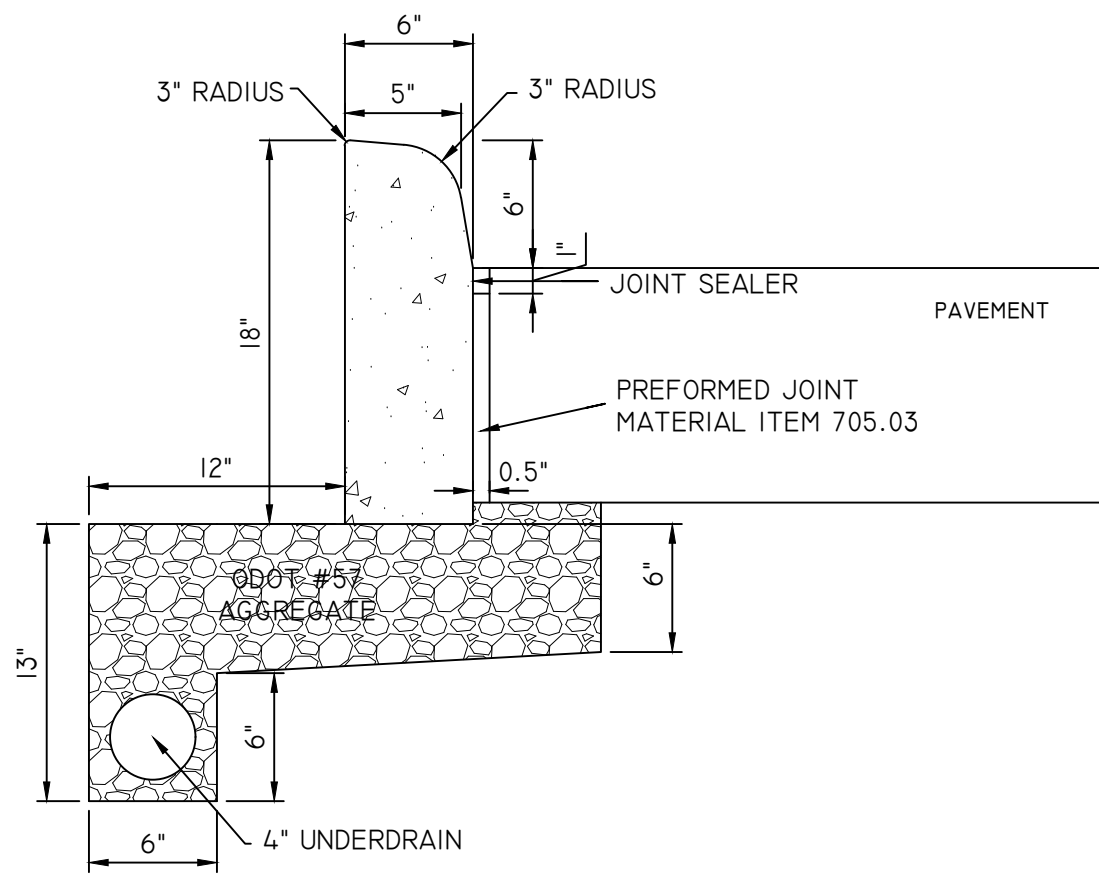
**PARKING LOT ADDITION
 R.G. JONES ELEMENTARY
 4550 W 150TH STREET
 CLEVELAND, OH 44135**

**GENERAL NOTES
 AND DETAILS**

23225 MERCANTILE ROAD
 BEACHWOOD, OH 44122
 TEL: 216.378.1490
 FAX: 216.378.1497

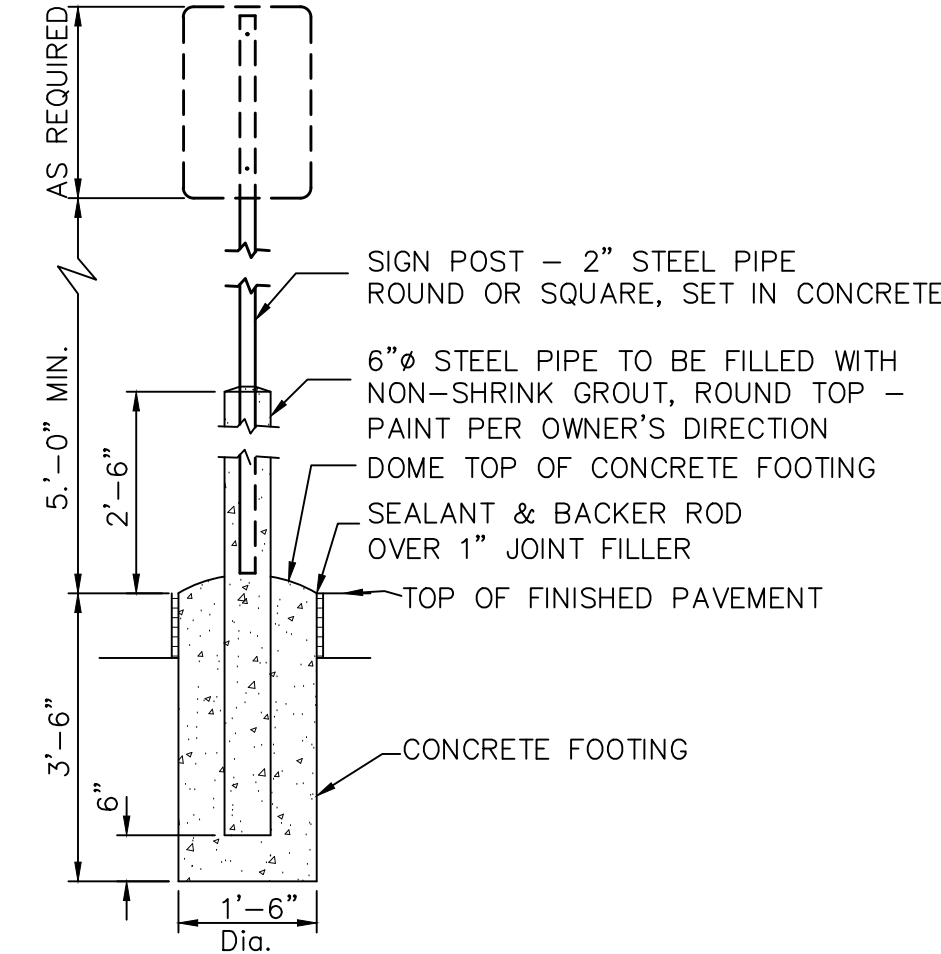
Mannik Smith GROUP
 www.MannikSmithGroup.com

NO. DATE BY

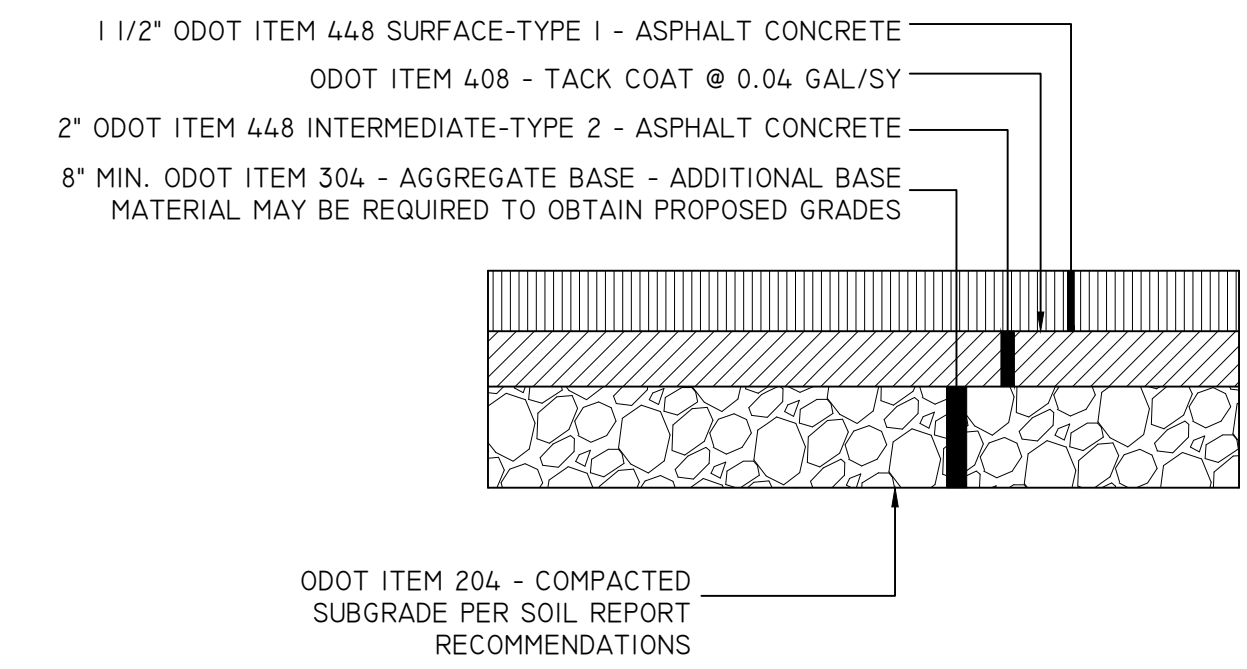


TYPE 6 CURB
NOT TO SCALE

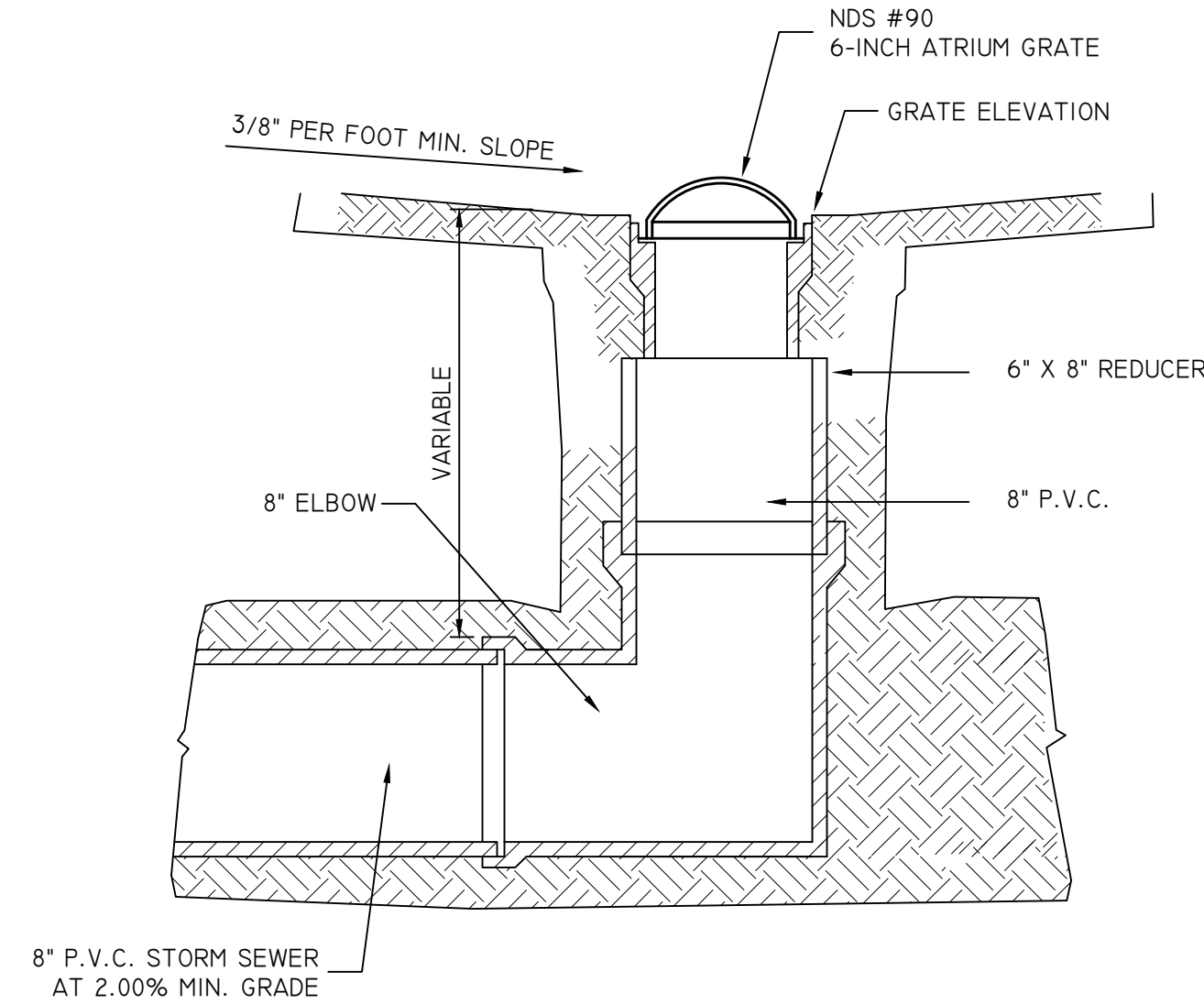
- NOTES:**
- 1" EXPANSION JOINTS SHALL EXTEND UP TO THE TOP OF THE CURB AND SHALL BE CONSTRUCTED IN THE CURB AND GUTTER SECTION IN SUCH A MANNER THAT THE JOINT SEAL WILL EXTEND THE FULL WIDTH OF THE GUTTER AND INTO THE CURB FACE A SUFFICIENT DISTANCE TO SEAL THE JOINT TO AN ELEVATION OF AT LEAST 2" ABOVE THE FLOW LINE OF THE GUTTER. DOWEL BARS SHALL BE USED IN THE SURFACE OF THE PAVEMENT. TRANSVERSE EXPANSION JOINT MATERIAL SHALL MEET THE REQUIREMENTS OF ITEM 705.03.
 - EXPANSION JOINT MATERIAL AND JOINT SEALER ARE NOT REQUIRED FOR THE PORTION OF THE CURB THAT IS ADJACENT TO A FLEXIBLE PAVEMENT TYPE. BOTH MATERIALS ARE REQUIRED, AS DETAILED, FOR THE FULL HEIGHT OF RIGID PAVEMENT AND CONCRETE BASES.
 - BUTT JOINTS SHALL BE PROVIDED BETWEEN COMBINED CURB-AND-GUTTER AND NEW OR EXISTING RIGID PAVEMENTS, WITH TIE BARS OR HOOK BOLTS PROVIDED AT INTERVALS OF 5'.
 - 4" UNDERDRAIN TO BE PROVIDED IN ALL LOCATIONS SHOWN IN PLAN.



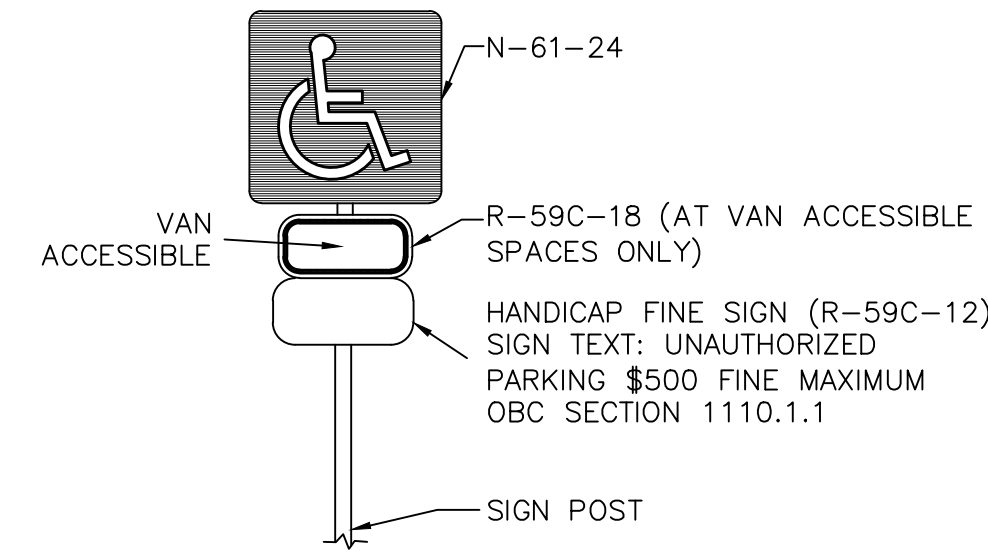
TYPICAL SIGN POST IN PAVEMENT
NOT TO SCALE



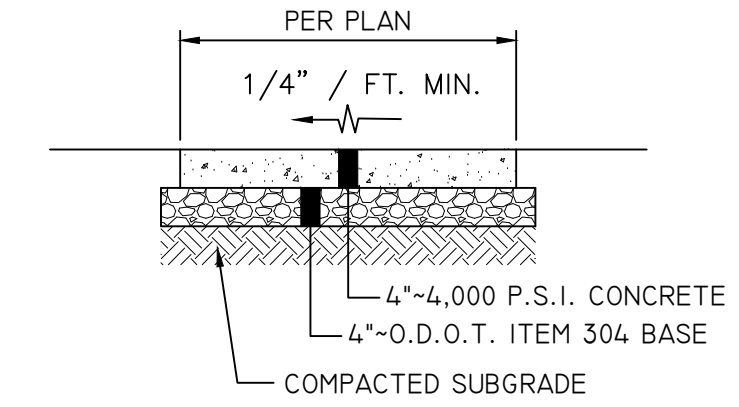
STANDARD DUTY ASPHALT PAVEMENT SECTION
SCALE: N.T.S.



YARD DRAIN DETAIL
SCALE: N.T.S.

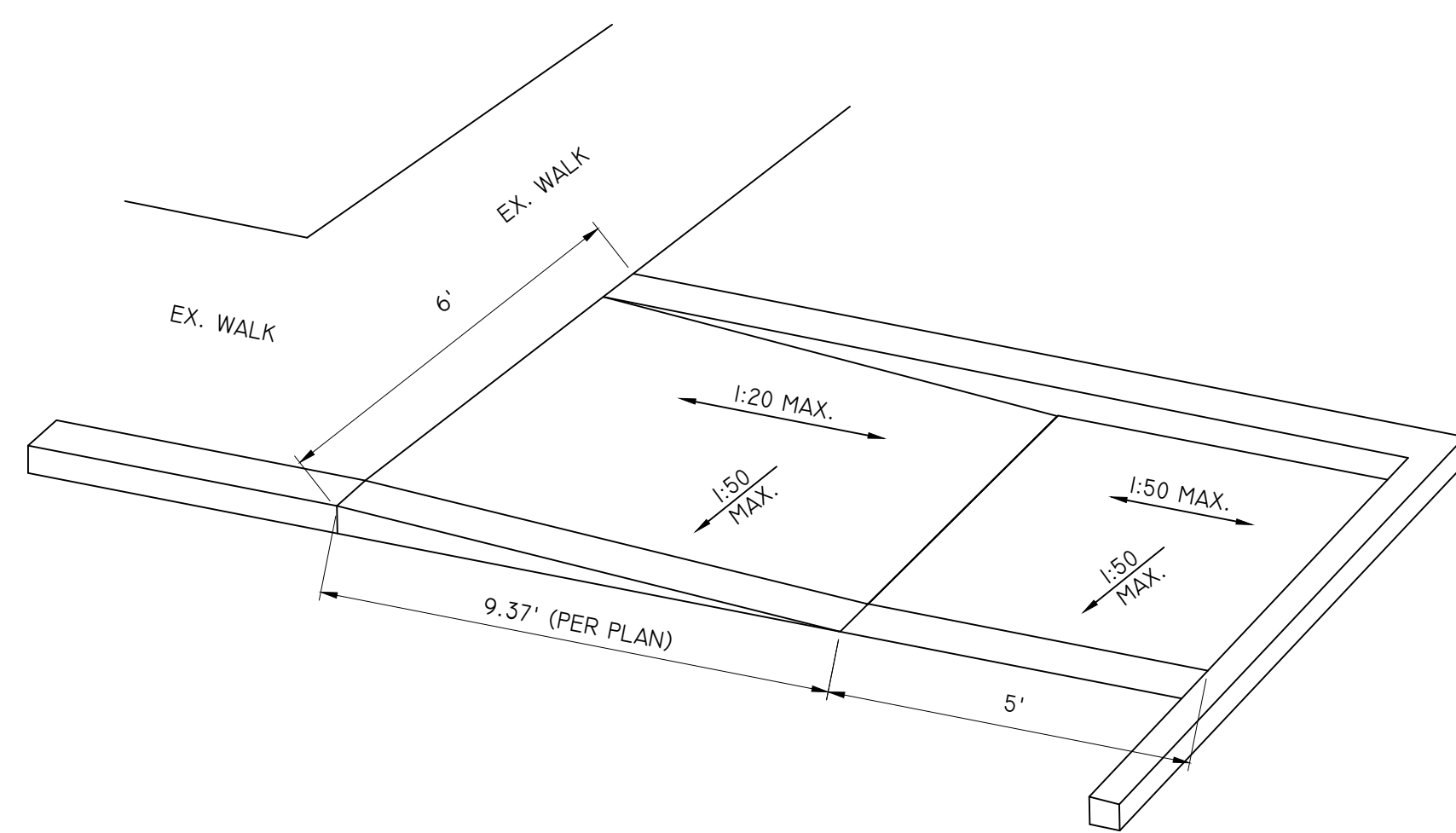


HANDICAP PARKING AND VAN ACCESSIBLE SIGN
SCALE: N.T.S.

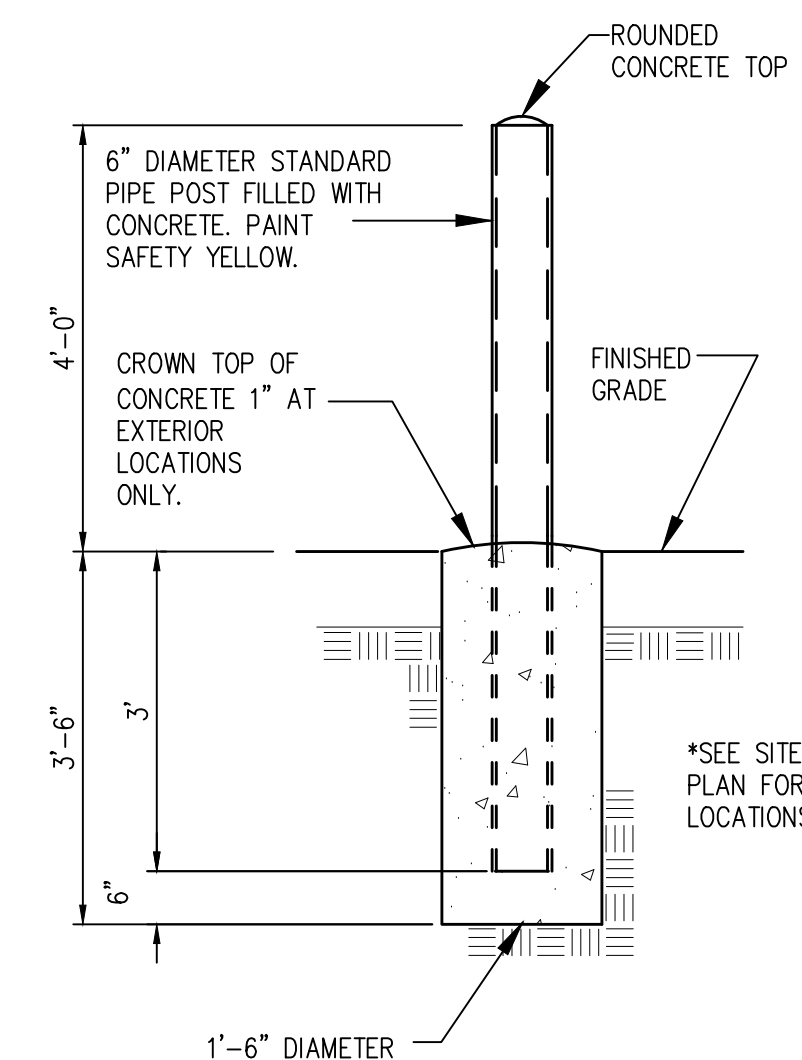


WALK DETAIL
SCALE: N.T.S.

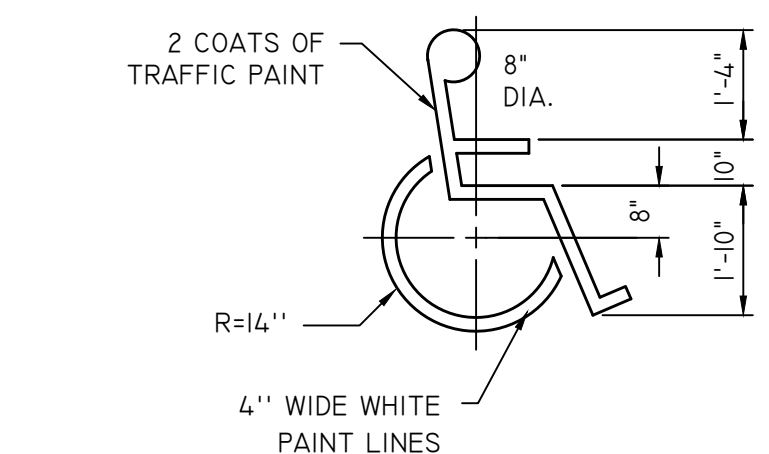
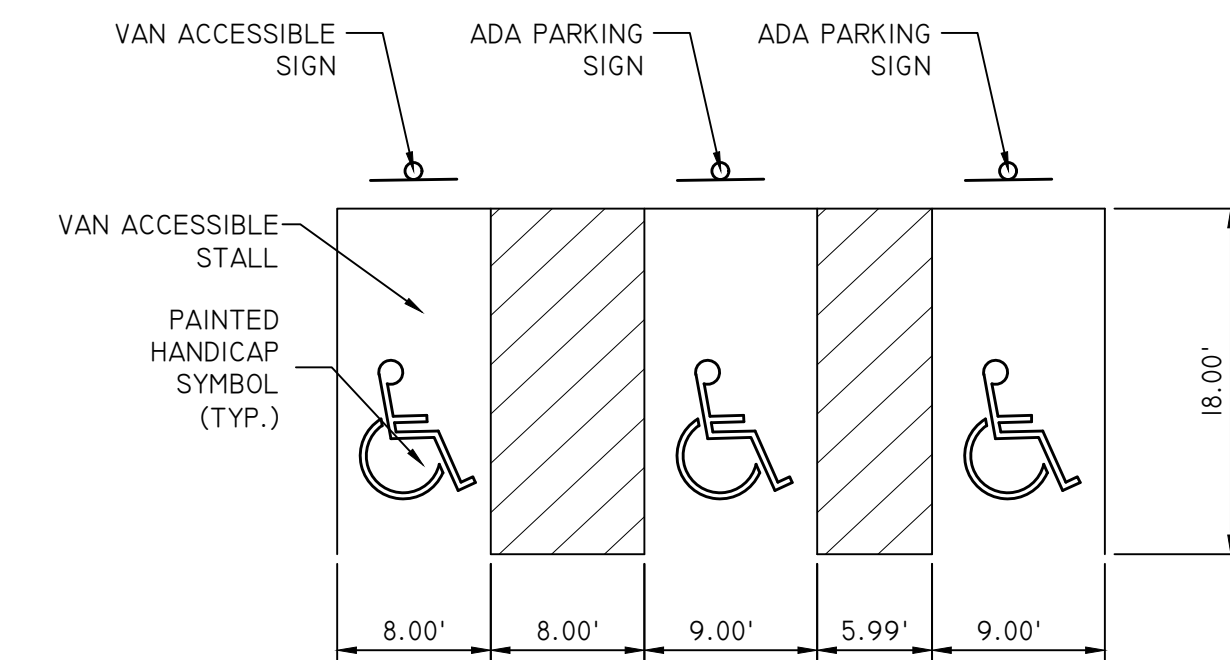
NOTE: WALK TO BE DIVIDED INTO EQUALLY SPACED BLOCKS AT APPROXIMATELY 8' INTERVALS. EXPANSION JOINT FILLER 1/2" THICK SHALL BE INSTALLED BETWEEN WALK AND ANY FIXED STRUCTURE EXTENDING FOR THE FULL DEPTH OF THE SIDEWALK. THE EXPANSION JOINT FILLER SHALL BE 1" THICK WHERE WALK IS INSTALLED AGAINST BACK OF CURB.



CURB RAMP DETAIL
SCALE: N.T.S.



BOLLARD DETAIL
SCALE: N.T.S.



- NOTES:**
1. STRIPING TO BE 4 INCHES WIDE AND BLUE IN COLOR.
 2. HANDICAP SIGNS TO BE PLACED IN THE NEAREST GRASS AREA. HANDICAP SIGNS TO BE BOLLARD MOUNTED AND PLACED AT HEAD OF SPACE FOR SPACES THAT DO NOT ABUT WALKS.
 3. STALL AND AISLE WIDTHS ARE TYPICAL UNLESS OTHERWISE STATED ON PLAN.

ADA ACCESSIBLE PARKING STRIPING DETAIL
SCALE: N.T.S.

NO.	DATE	BY	DESCRIPTION
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	09/10/2018	JKZ	REVISED PER CITY COMMENTS

23225 MERCANTILE ROAD
BEACHWOOD, OH 44122
TEL: 216.278.1490
FAX: 216.278.1497

PROJECT DATE: JUNE 2018
PROJECT NO.: C576001
DRAWN BY: JKZ
CHECKED BY: JKZ

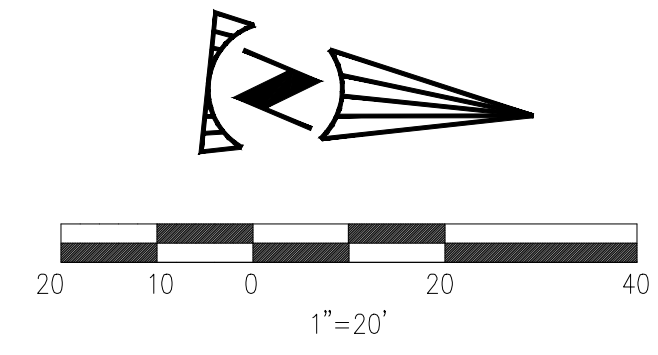
TECHNICAL SKILL:
CREATIVE SPIRIT:

Mannik Smith GROUP
www.MannikSmithGroup.com

PREPARED FOR:
CLEVELAND METROPOLITAN SCHOOL DISTRICT
3840 RIDGE ROAD
CLEVELAND, OH 44114

PARKING LOT ADDITION
R.G. JONES ELEMENTARY
4550 W 150TH STREET
CLEVELAND, OH 44135

GENERAL NOTES
AND DETAILS



LUMINAIRE SCHEDULE							
SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LUMENS PER LAMP	WATTAGE
	A	1	HOLOPHANE	MS2A400MH00H3	MIRROSTAR	39000	442.0

POLE FIXTURE SCHEDULE						
MANUFACTURER	CATALOG NUMBER	HEIGHT (FT)	POLE SHAFT SIZE (IN X FT)	WALL THICKNESS (IN)	EPA	FINISH
LITHONIA LIGHTING	SSA 25 5G	25'	5 X 25	0.188	2.69	MATCH EXISTING

STATISTICS						
DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
PARKING LIMITS	+	2.3 fc	11.7 fc	0.1 fc	117.0:1	23.0:1
PAVEMENT LIMITS	+	2.3 fc	12.4 fc	0.1 fc	124.0:1	23.0:1
PROPERTY LIMITS	+	1.0 fc	11.7 fc	0.0 fc	N/A	N/A

- GENERAL NOTES:**
- EXISTING LIGHT FIXTURES HAVE NOT BEEN VERIFIED. CONTRACTOR TO VERIFY PROPOSED LIGHT FIXTURES MATCH EXISTING IN STYLE AND COLOR PRIOR TO INSTALLATION.
 - LIGHT POLE TO BE MOUNTED TO A 3 FT EXPOSED FOUNDATION PROVIDING AN OVERALL HEIGHT OF 28 FT.

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	09/10/2018
23225 MERCANTILE ROAD BEACHWOOD, OH 44122 TEL: 216.378.1490 FAX: 216.378.1497	PROJECT DATE: JUNE 2018
PROJECT NO.: C5760001	JKZ
DRAWN BY: JKZ	JKZ
CHECKED BY:	



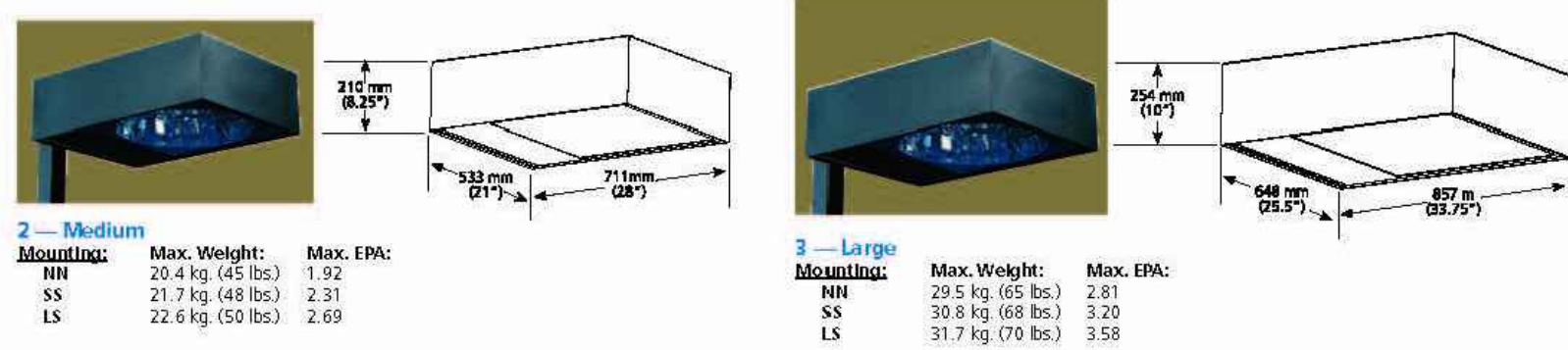
PREPARED FOR:
CLEVELAND METROPOLITAN SCHOOL DISTRICT
3840 RIDGE ROAD
CLEVELAND, OH 44114

PARKING LOT ADDITION
R.G. JONES ELEMENTARY
4550 W 150TH STREET
CLEVELAND, OH 44135

PHOTOMETRIC PLAN

ORDERING INFORMATION

DIMENSIONAL DETAILS



PERFORMANCE SPECIFICATIONS

Luminaire shall be Holophane MirroStar series, catalog No. MS _____ This fixture shall consist of mounting, optical, support, and electrical systems and will provide certain performance characteristics as follow:

Housing: Housing shall consist of one piece 18 gauge formed aluminum, with smooth welded seams. An 11 gauge galvanized steel reinforcement plate shall be attached to the rear of the housing for added stability.

Door/Frame: One-piece heavy duty, 13 gauge aluminum, held together with a rigid extruded aluminum riveted frame. Frame shall be fully lined about the perimeter with a high temperature, closed-cell gasket material to provide an insect and dust free interior. Door/Frame shall be connected to the housing with a continuous hinge that runs the full width of the housing and is secured with five or more screws. Two captive screws shall be used for closure and for easy lamp access.

Lens: 3/16" (1.8" in medium housing) thick clear tempered flat glass shall be attached to the door/frame with RTV.

Exterior: All exterior surfaces shall receive a seven stage cleaning and iron phosphate pretreatment prior to painting. The finish shall be a fade resistant (color) polyester powder paint baked on to provide a hard, durable coating.

Optical System: A fully reflective interior constructed of Mirro4 (enhanced pre-anodized aluminum), minimum of .020" thick, with a specular component of at least 92% and a total reflectivity of 95%. Integrity of the reflective panels is held intact by a continuous band around the central circumference.

Electrical System: The electrical system shall consist of Holophane ballast and components attached to a tray. Tray shall be removable without use of tools. Ballast factor shall be 1.0.

Mirro4 is a Registered Trademark of Alconet

PREFERRED SELECTIONS:

Most Frequently Ordered Catalog Numbers

Grid of preferred selection options for LUMINAIRE, SIZE, SHAPE, WATTAGE, VOLTAGE, LAMP, DISTRIBUTIONS, MOUNTING, FINISH, and OPTIONS.

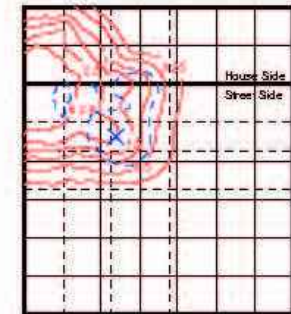
CATALOG NUMBERS FOR ENTIRE PRODUCT OFFERING

(Pricing and lead times may be affected)

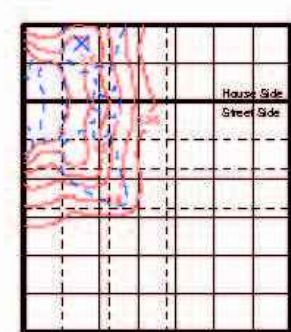
Multiple columns of product selection options categorized by steps: LUMINAIRE, SIZE, SHAPE, SOURCE AND WATTAGE, LAMP POSITION, DISTRIBUTION, MOUNTING, FINISH, and OPTIONS.

DISTRIBUTIONS

Type III



Square



FEATURES & SPECIFICATIONS

INTENDED USE - These specifications are for US Standards only. Check with factory for Canadian specifications. Square Straight Aluminum is a general purpose light pole for up to 35-foot mounting heights.

CONSTRUCTION - Pole Shaft: The pole shaft is of uniform wall thickness and is made of extruded 6000 series aluminum alloy tubing that is heat treated to a T6 temper to provide maximum strength.

Handhole: A handhole opening with a grounding provision is provided near the base. Standard positioning varies with shaft width as follows: 4" shaft, handhole at 12" shaft, handhole at 14" shaft, handhole at 18" shaft.

Anchor Base/Cover/Bolts: Anchor base is cast from 356 alloy aluminum and is supplied with 4 nut cover disks. A full 2-piece cast aluminum and/or base cover is available as an option.

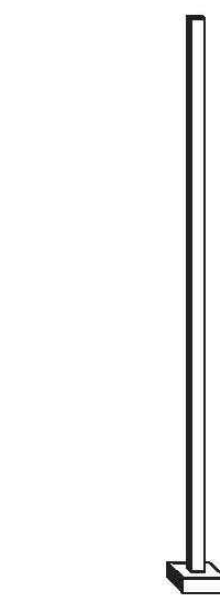
Anchor bolts are manufactured to ASTM F1554 Standards Grade 5S. (SSKS) minimum yield strength and tensile strength of 75-95 KSI. Upper portion of anchor bolt is galvanized per ASTM A-153; bolts have an "L" bend on bottom end and are galvanized a minimum of 12" on the threaded end.

FINISH - Extra durable painted finish is coated with TGIC (highly hydrolytic) Polyester powder that meets SA and SB classifications of ASTM D3359. Standard powder-coat finishes include Dark Bronze, White, Black, Medium Bronze and Natural Aluminum colors.

WARRANTY - 1 year limited warranty. Complete warranty terms located at: www.annalys.com/CustomerService/terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

Ordering information form with fields for Catalog Number, Notes, and Type.



Specifications subject to change without notice.

Anchor Base Poles

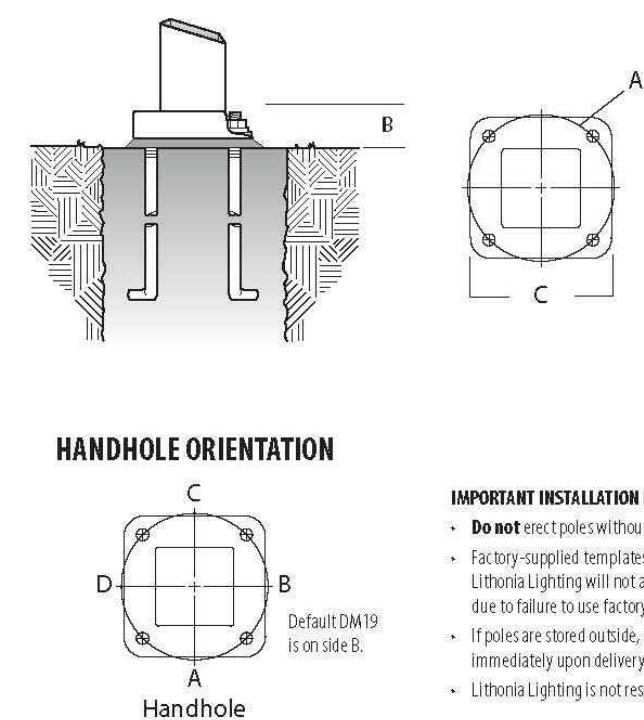
SSA

SQUARE STRAIGHT ALUMINUM

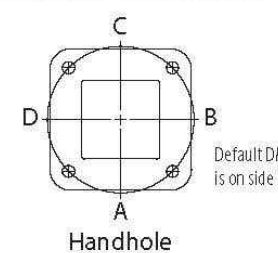
SSA Square Straight Aluminum Poles

Table with columns for Catalog number, Nominal moment, Pole shaft size, Wall thick, 80 mph, 90 mph, 100 mph, Max. weight, Bolt size, and Approximate ship weight.

*EPA values are based ASCE 7-99 wind map. For 1/2 ft increments, add .6 to pole height. Ex: 20 ft equals 20ft.6in.



HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- Do not erect poles without training fixtures installed.
Factory-supplied templates must be used when setting anchor bolts.
Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use factory template.
If poles are stored outside, all protective wrappings must be removed immediately upon delivery to prevent finish damage.
Lithonia Lighting is not responsible for the foundation design.



OUTDOOR: One Lithonia Way, Conyers, GA 30012 Phone: 770-922-9000 www.lithonia.com

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Revision table with columns for DATE, BY, NO., DESCRIPTION, and REVISION PER CITY COMMENTS.

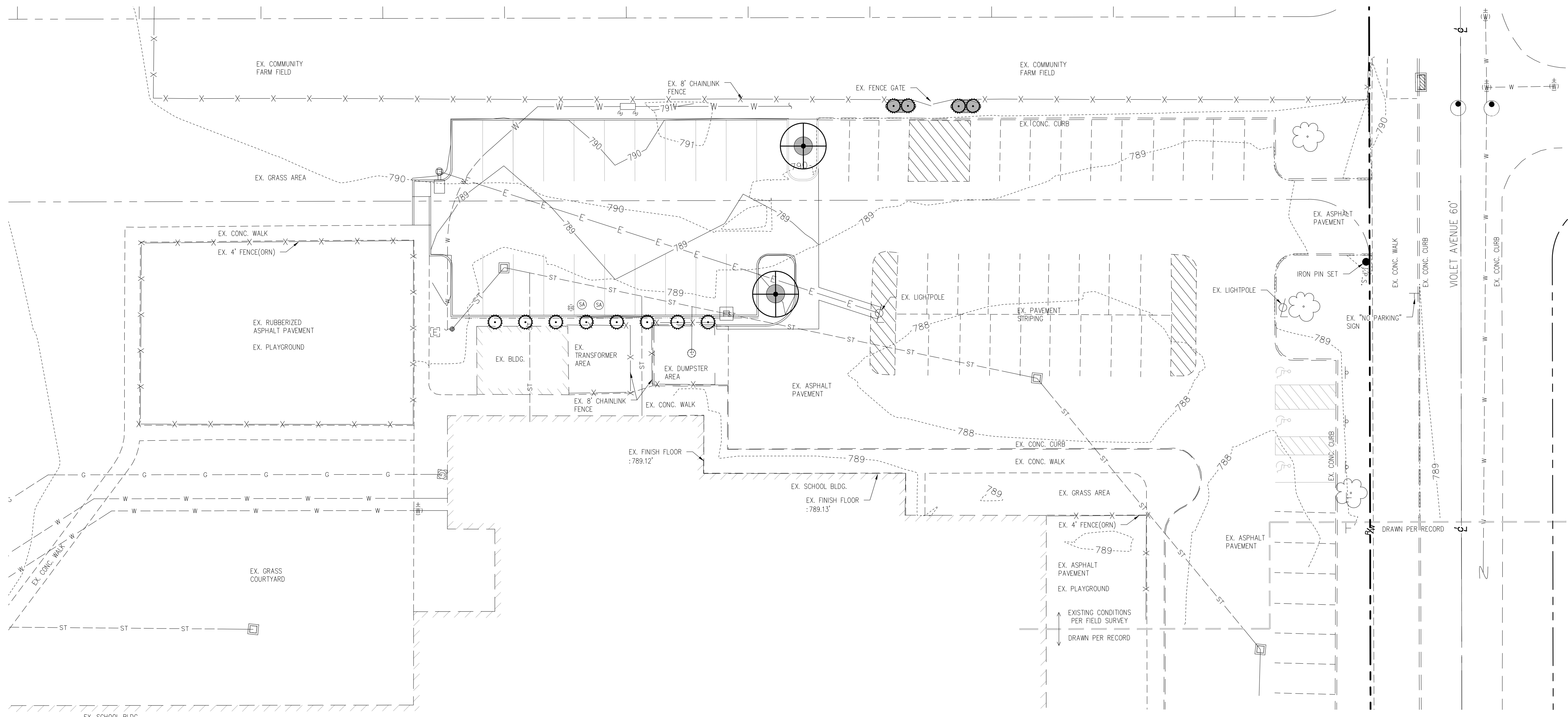
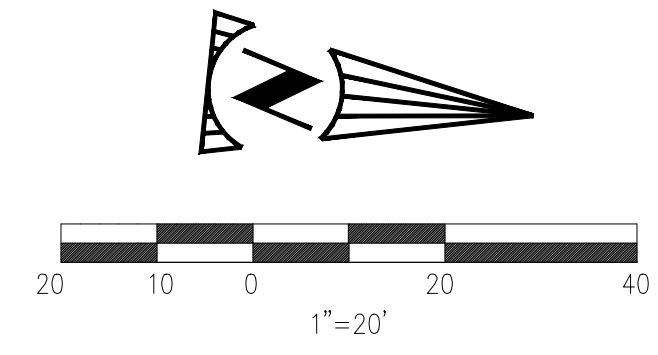
23225 MERCANTILE ROAD BEACHWOOD, OH 44172 TEL: 216.278.1490 FAX: 216.278.1497 PROJECT DATE: JUNE 2018 PROJECT NO.: C5760001 DRAWN BY: JFK JKZ CHECKED BY: JFK JKZ



PREPARED FOR: CLEVELAND METROPOLITAN SCHOOL DISTRICT 3840 RIDGE ROAD CLEVELAND, OH 44144

PARKING LOT ADDITION R.G. JONES ELEMENTARY 4550 W 150TH STREET CLEVELAND, OH 44135

PHOTOMETRIC PLAN



PROPOSED TREE QUANTITIES

SYMBOL	NUMBER OF TREES	TREE TYPE (COMMON NAME)	SPECIES SCIENTIFIC NAME	SIZE	MINIMUM SPACING
	2	IMPERIAL HONEY LOCUST	GLEDITSIA TRIACANTHOS 'INERMIS' 'IMPERIAL'	2.5" CAL. B&B	PER PLAN

PROPOSED SHRUB QUANTITIES

SYMBOL	NUMBER OF SHRUBS	SHRUB TYPE (COMMON NAME)	SPECIES SCIENTIFIC NAME	SIZE
	12	MORNING LIGHT MAIDEN GRASS	MISCANTHUS SINENSIS 'MORNING LIGHT'	2 GAL. CONT.

PROPOSED MULCH AND SEEDING

SYMBOL	COMMON NAME	DESCRIPTION
	HARDWOOD MULCH BED	PLANTING AREA TO BE MULCHED WITH BLACK DYED DOUBLE PROCESSED SHREDDED HARDWOOD MULCH. SEE EDGING DETAIL.

DESCRIPTION	SCHEMATIC LAYOUT
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REVISED PER CITY COMMENTS	
DATE	05/30/2018
BY	JKZ
DATE	06/11/2018
BY	JKZ
DATE	09/10/2018
BY	JKZ
NO.	
PROJECT NO.	C576001
PROJECT DATE	JUNE 2018
DRAWN BY	JKZ
CHECKED BY	JKZ

23225 MERCANTILE ROAD
BEACHWOOD, OH 44122
TEL: 216.278.1490
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TECHNICAL SKILL
CREATIVE SPIRIT

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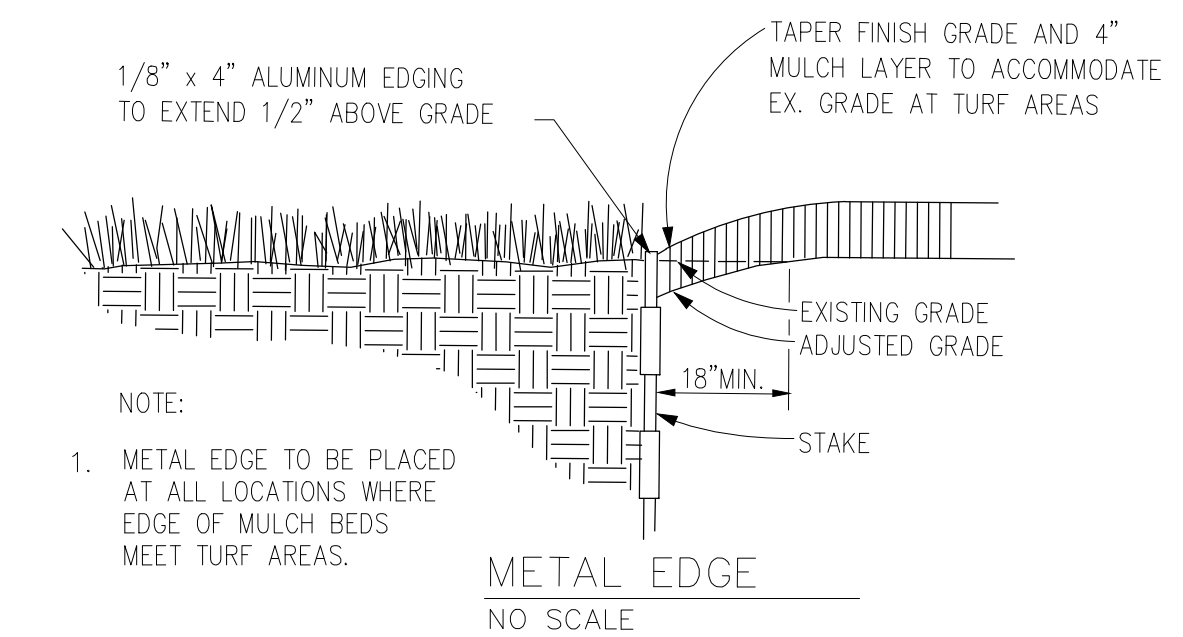
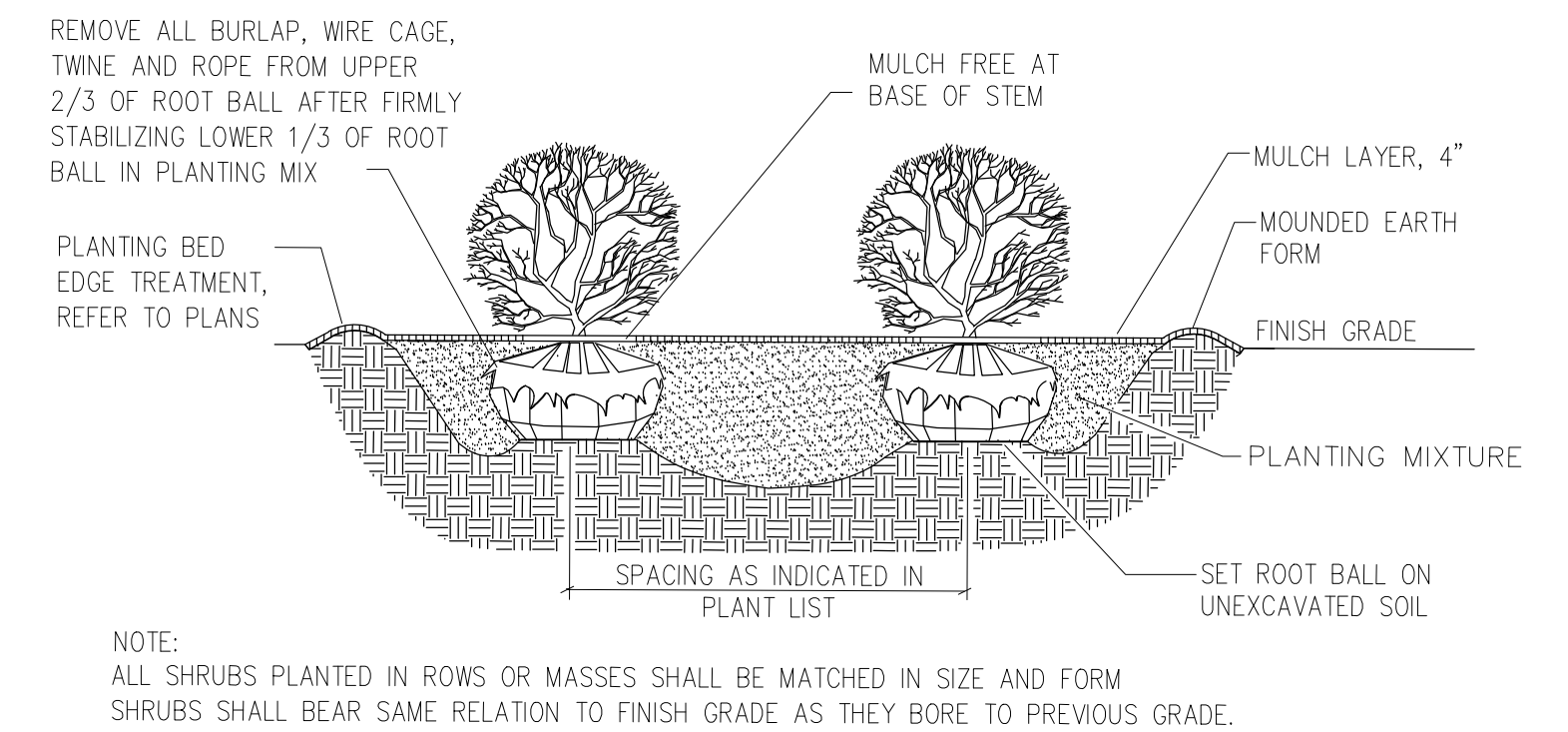
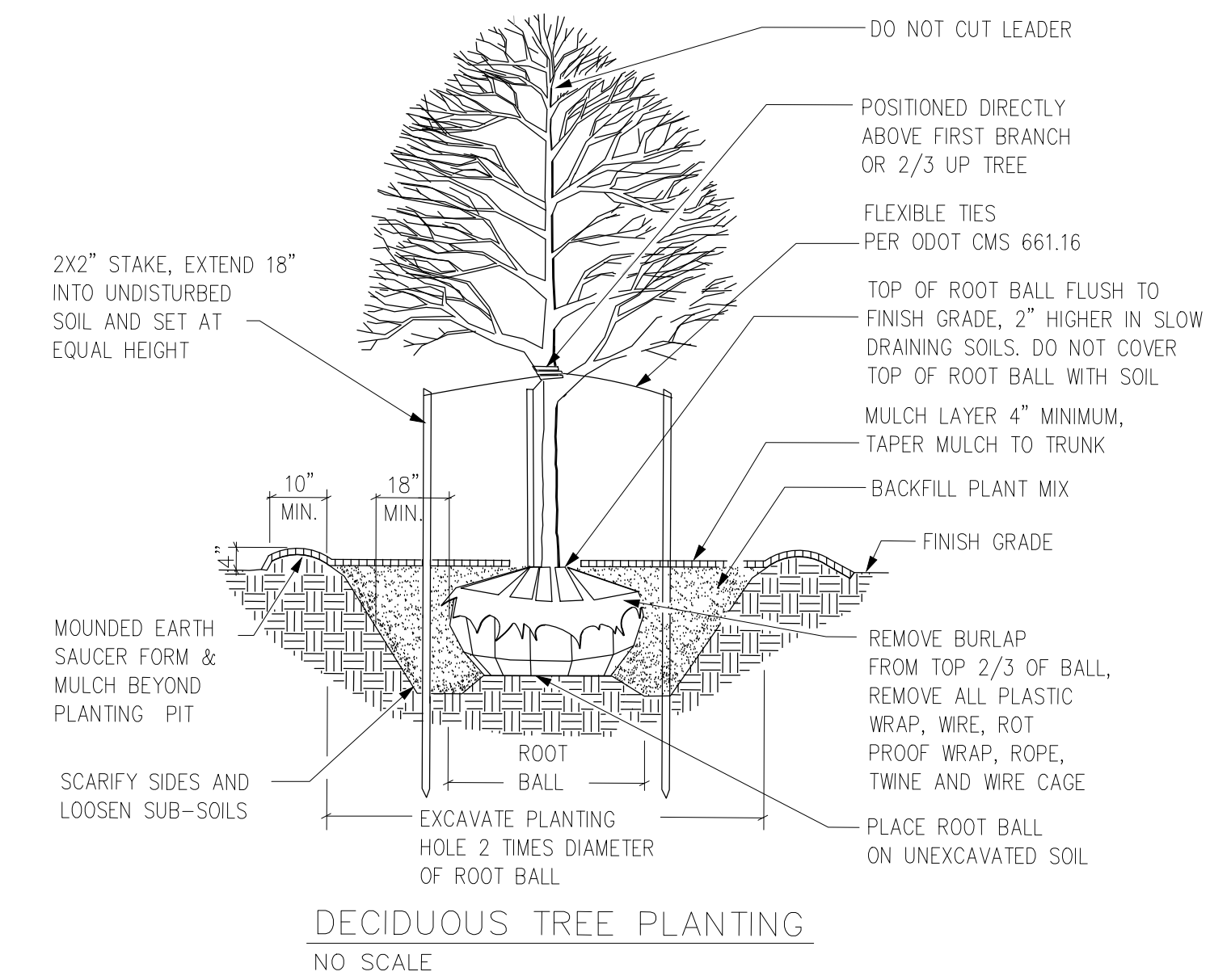
PARKING LOT ADDITION
R.G. JONES ELEMENTARY
4550 W 150TH STREET
CLEVELAND, OH 44135

LANDSCAPE PLAN

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GENERAL LANDSCAPE NOTES

- THE CONTRACTOR SHALL PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS AND VEGETATION PROPOSED WITHIN THE LANDSCAPING PLAN. ANY TREES, SHRUBS, GROUND COVER OR OTHER VEGETATION PLANTED AS PART OF THIS PROJECT THAT DO NOT SURVIVE ONE YEAR FROM PLANTING SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL PERTINENT UTILITY COMPANIES 3 WORKING DAYS IN ADVANCE OF ANY DIGGING. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF ANY UTILITIES.
- REFER TO THE LANDSCAPE SCHEMATIC PLAN FOR ADDITIONAL NOTES. LANDSCAPE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION OF ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND CITY OF CLEVELAND ORDINANCES.
- ALL PLANTING MATERIALS: SHALL BE PLANTED PER ODOT CMS ITEM 661. EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE BROKEN, LOW HANGING AND OTHER UNDESIRABLE GROWTH TO ENSURE HEALTHY AND SYMMETRICAL NEW GROWTH. REFER TO ODOT DRAWING LA-1.1 FOR TREE PRUNING DETAILS AND ODOT ITEM 666 FOR PRUNING SPECIFICATIONS.
- 661.10 PLANTING BEDS. ONE MONTH BEFORE CULTIVATION AND AFTER DAYTIME TEMPERATURES HAVE WARMED TO 60° CONSISTENTLY, TREAT ALL PLANTING BEDS THAT ARE TO BE DEVELOPED IN AREAS OF EXISTING TURF WITH PRE-EMERGENT AND POST-EMERGENT TYPE HERBICIDES. USE A STATE-LICENSED PESTICIDE APPLICATOR TO APPLY THE HERBICIDE. REPEAT HERBICIDE APPLICATION TWO WEEKS LATER AND UNTIL ALL HERBACEOUS MATERIALS HAVE BEEN KILLED. BEFORE PLANTING, TOP DRESS ALL PLANTING BEDS WITH A MINIMUM OF 12 INCHES OF BACKFILL MIX, THEN CULTIVATE PLANTING AREA TO A DEPTH OF 6 INCHES USING A PLOW, DISC, OR ROTO-TILLER.
- 661.11 BACKFILL MIX. FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:
 A. ONE PART TOPSOIL.
 B. ONE PART EPA RATED CLASS IV COMPOST.
 C. A SLOW RELEASE COMMERCIAL FERTILIZER (0-20-20 OR EQUAL) ADDED AT A RATE OF 5 POUNDS PER CUBIC YARD (3 KG/M3) TO THE BACKFILL MIX.
 D. IF SOIL AREAS ARE OF HIGH PH (GREATER THAN 6.5), APPLY 1.25 POUNDS OF ELEMENTAL SULFUR PER CUBIC YARD OF BACKFILL MIX.
 NOTE: CONTRACTOR SHALL SUPPLY A DETAILED SOIL ANALYSIS PRIOR TO ALL PLANT BED PREPARATION. ANALYSIS SHALL INDICATE SOIL PH, TEXTURE, MAJOR NUTRIENTS, SALTS, ETC. SOIL ANALYSIS SHALL BE FROM A REPUTABLE, INDEPENDENT LAB. SOIL AMENDMENTS SHALL BE INCORPORATED INTO BACKFILL/ PLANT MIX AS RECOMMENDED BY THE INDEPENDENT LAB.
- 661.13 MULCH. SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH THESE AREAS WITH A 3-INCH (100 MM) LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE & SIZE. USE SHREDDED HARDWOOD BARK AGED MIN. ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS. MULCH TO A DEPTH OF 3 INCHES. AFTER MULCHING AND BEFORE WATERING, ADD A SLOW RELEASE COMMERCIAL FERTILIZER (12-12-12 OR EQUAL), IN GRANULAR FORM, TO THE TOP OF THE MULCH AT A RATE OF 5 POUNDS PER 100 SQUARE FEET. DO NOT ALLOW FERTILIZER TO CONTACT THE STEMS, BRANCHES, ROOTS OR LEAVES.
- 661.17 PERIOD OF ESTABLISHMENT. BEFORE FINAL INSPECTION, PLACE ALL PLANTS AND CARE FOR THEM FOR A PERIOD OF ESTABLISHMENT. THE PERIOD OF ESTABLISHMENT BEGINS IMMEDIATELY UPON COMPLETION OF THE PLANTING OPERATIONS AND CONTINUES UNTIL OCTOBER 1. THE MINIMUM PERIOD OF ESTABLISHMENT IS ONE GROWING SEASON, JUNE 1 THROUGH OCTOBER 1. DURING THE PERIOD OF ESTABLISHMENT, FOLLOW STANDARD HORTICULTURAL PRACTICES TO ENSURE THE VIGOR AND GROWTH OF THE TRANSPLANTED MATERIAL. WATER, REMULCH, RESTAKE, GUY, AND CULTIVATE AS NECESSARY. PERFORM AT LEAST TWO WEEDING AND MOWING PROGRAMS (AROUND TREES, GUY STAKES, SHRUBS, AND BED EDGES) OF SUCH INTENSITY AS TO COMPLETELY RID THE PLANTED AND MULCHED AREAS OF WEEDS AND GRASSES. BEGIN THE FIRST PROGRAM ON OR ABOUT JUNE 15 AND THE SECOND APPROXIMATELY 8 WEEKS LATER. ON OR ABOUT AUGUST 15, THE ENGINEER WILL INSPECT THE PLANTING AND SUPPLY THE CONTRACTOR WITH A LIST OF MISSING AND DEAD PLANTS AND THOSE THAT HAVE DIED BACK BEYOND NORMAL PRUNING LINES. REPLANT AS REQUIRED ACCORDING TO THE SPECIFICATIONS OF THE ORIGINAL MATERIAL. REPLACEMENT PLANTS ARE SUBJECT TO A NEW PERIOD OF ESTABLISHMENT. IMMEDIATELY REPLACE PLANTS PLANTED INITIALLY IN THE FALL THAT HAVE DIED BEFORE THE SPRING PLANTING SEASON. CARE FOR THE REPLACEMENT PLANTS DURING THE NEW ESTABLISHMENT PERIOD.
- RESTORATION OF DISTURBED AREAS:
 ALL LANDSCAPE AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE PREPARED FOR GRASS SEED. LOOSEN RUTS AND WORK THE SOIL AREAS TO A MINIMUM OF 12" DEEP PRIOR TO FINE GRADING AND SEEDING WORK. AREAS TO RECEIVE GRASS SEED SHALL HAVE A MIN. 4" TOPSOIL PLACED, SEEDED AND A STRAW/MULCH BLANKET COVER PLACED OVER THE SEEDED AREAS PER ODOT SPECIFICATIONS.
- LANDSCAPE TREES, SHRUBS AND PERENNIAL WATERING:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, DELIVERING, APPLYING, MEASURING AND SCHEDULING A SUFFICIENT AMOUNT OF WATER NECESSARY TO KEEP EACH PLANT IN A HEALTHY GROWING CONDITION THROUGHOUT THE PERIOD OF ESTABLISHMENT. THE CONTRACTOR SHALL APPLY 1" OF WATER PER WEEK TO ALL NEW PLANTS. THE CONTRACTOR SHALL INSTALL & MAINTAIN SUPPLEMENTAL DRIP WATERING TREE BAGS (SUCH AS 20 GALLON TREE GATOR WATER BAG) TO PROVIDE ADEQUATE, SLOW RELEASE OF WATER. WATER BAGS SHALL BE REMOVED AT THE END OF THE SECOND GROWING SEASON.
- TOPSOILING SHALL CONFORM TO ITEM 651 (TOPSOIL STOCKPILED), ITEM 652 (PLACING STOCKPILED TOPSOIL), ITEM 653 (TOPSOIL FURNISHED AND PLACED) AND 654 (RENOVATING EXISTING SOIL) TOPSOIL PLACEMENT MAY BE PLACED WITH HYDROSEEDING, REFER TO ITEM 659.11 FOR ADDITIONAL SPECIFICATIONS.
- TURF GROUND COVER (SODDING, SEEDING AND SEED MULCHING):
 ALL SEEDING INSTALLATION SHALL CONFORM TO ODOT ITEM 653 (TOPSOIL FURNISHED AND PLACED) AND ITEM 659 (SEEDING AND MULCHING).
 SEED AT 6 LBS/1000 SF WITH THE FOLLOWING SEED MIXTURE:
 TITAN TALL-TYPE TURF FESCUE 70%
 SR 4100 PERENNIAL RYEGRASS 20%
 MERIT KENTUCKY BLUEGRASS 10%
 REFER TO ITEM 659.12 FOR SEEDING METHODS AND DATES FOR BROADCAST AND HYDRO SEEDING METHODS. REFER TO ITEM 660 FOR SODDING MATERIALS, PREPARATION AND PLACEMENT.



NO.	DATE	BY	DESCRIPTION
	05/30/2018	JKZ	SCHEMATIC LAYOUT
	06/11/2018	JKZ	ISSUED FOR BID AND PERMIT
	09/10/2018	JKZ	REVISED PER CITY COMMENTS

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PROJECT DATE: JUNE 2018
 PROJECT NO.: C576001
 DRAWN BY: JKZ
 CHECKED BY: JKZ

TECHNICAL SKILL:
 CREATIVE SPIRIT:

Mannik Smith GROUP
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PREPARED FOR:
 CLEVELAND METROPOLITAN SCHOOL DISTRICT
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LANDSCAPE NOTES AND DETAILS