

REVISIONS

REV	DATE	COMMENT	BY	CHKD
1	12/4/2018	INITIAL TOWN SUBMISSION	KD	RF
2	12/10/2019	CLIENT COMMENTS	RF	RF
3	2/17/2020	TOWN SITE PLAN	RF	RF
4	6/9/2020	TOWN COMMENTS	RF	RF
5	8/4/2020	UPDATED PARKING	RF	RF
6	9/10/20	SUBLET COMMENTS	RF	RF
7	1/20/2021	TOWN SUBMISSION	RF	RF

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
 LAND SURVEYING
 PROGRAM MANAGEMENT
 LANDSCAPE ARCHITECTURE
 SUSTAINABLE DESIGN
 PERMITTING SERVICES
 TRANSPORTATION SERVICES

ISSUED FOR MUNICIPAL & AGENCY REVIEW & APPROVAL

Dig Safely - New York
 800-962-7962
 www.digsafely.com

PROJECT: SITE DEVELOPMENT PLANS FOR LIDL U.S. OPERATIONS, LLC PROPOSED GROCERY STORE #436 388 NYS ROUTE 303 TOWN OF ORANGETOWN, ROCKLAND COUNTY, NY 10983 SECTION 27.14S BLOCK 1 LOTS 33, 37 & 41

BOHLER ENGINEERING
 2929 EXPRESSWAY DRIVE NORTH HAUPPAUGE, NY 11749
 Phone: (631) 728-8120
 www.BohlerEngineering.com

PROJECT: SOIL EROSION & SEDIMENT CONTROL DETAILS

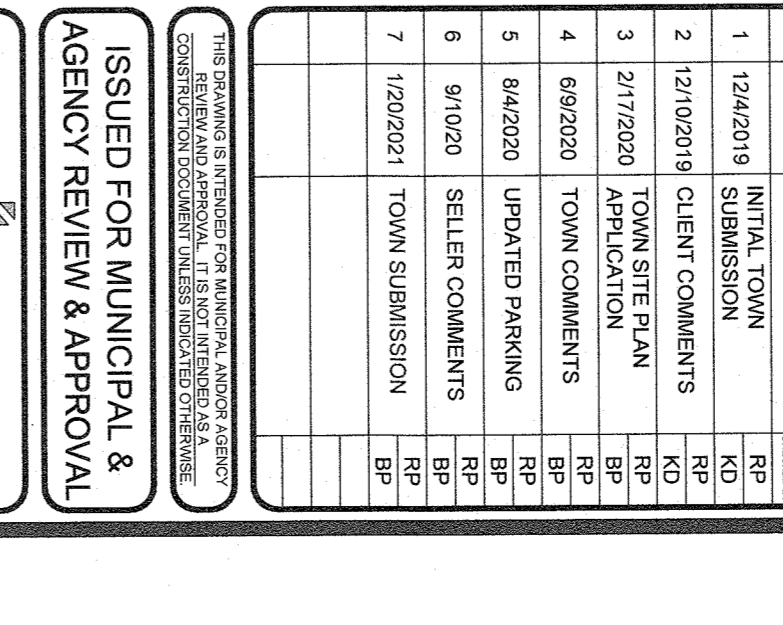
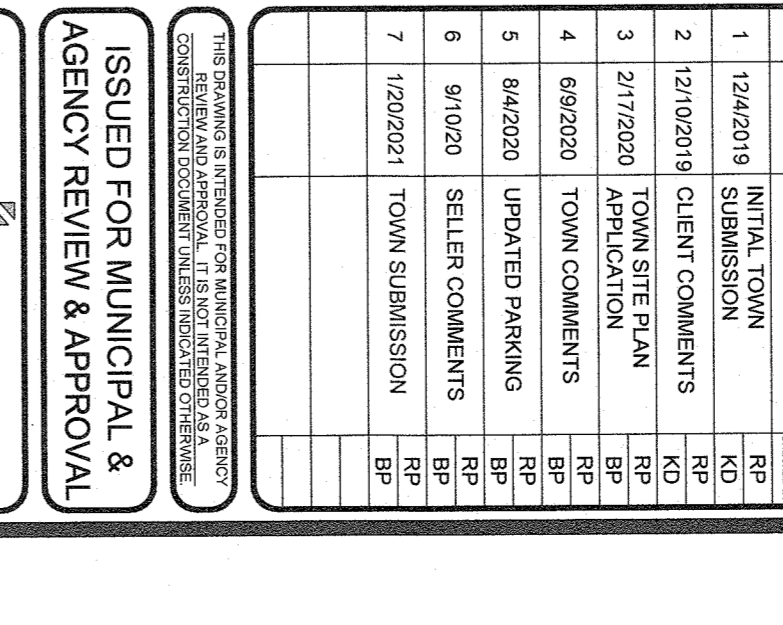
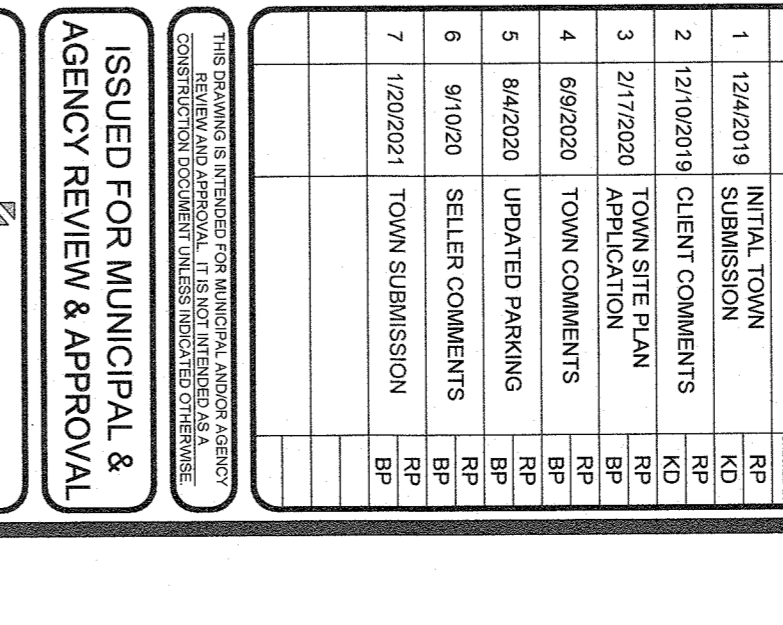
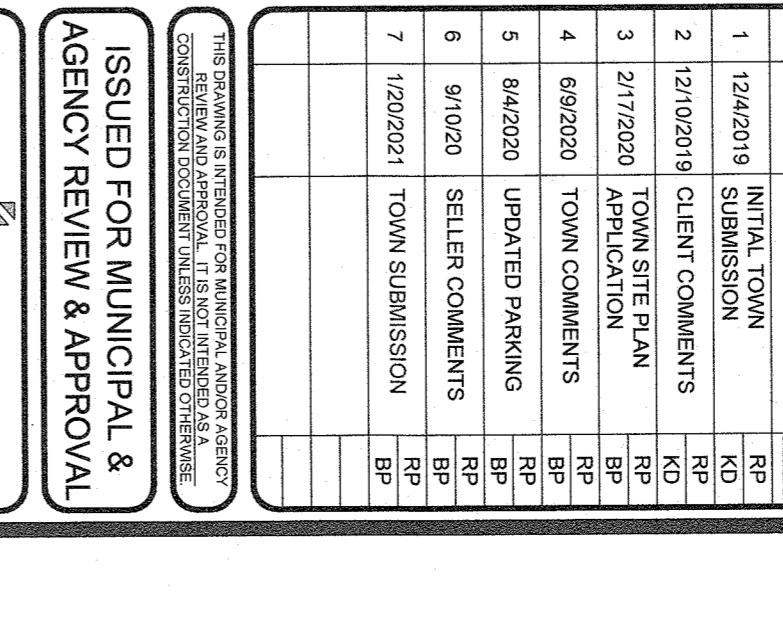
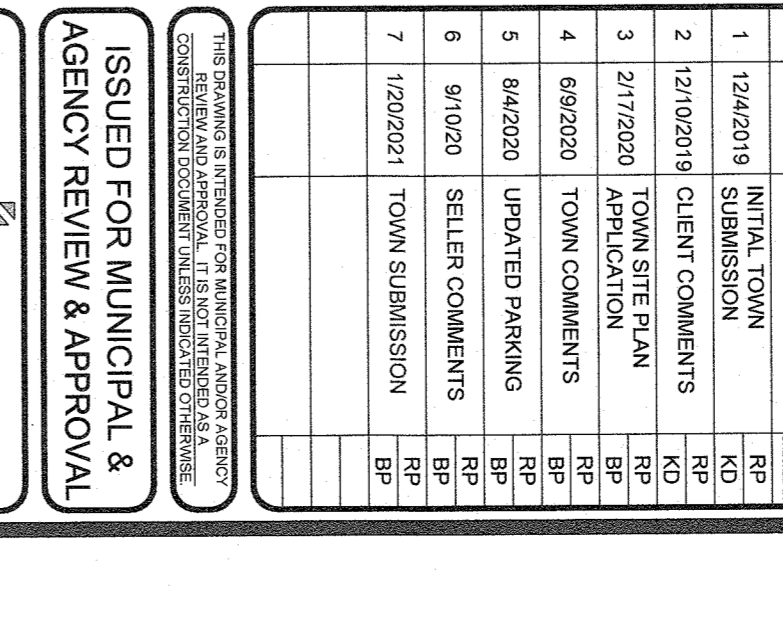
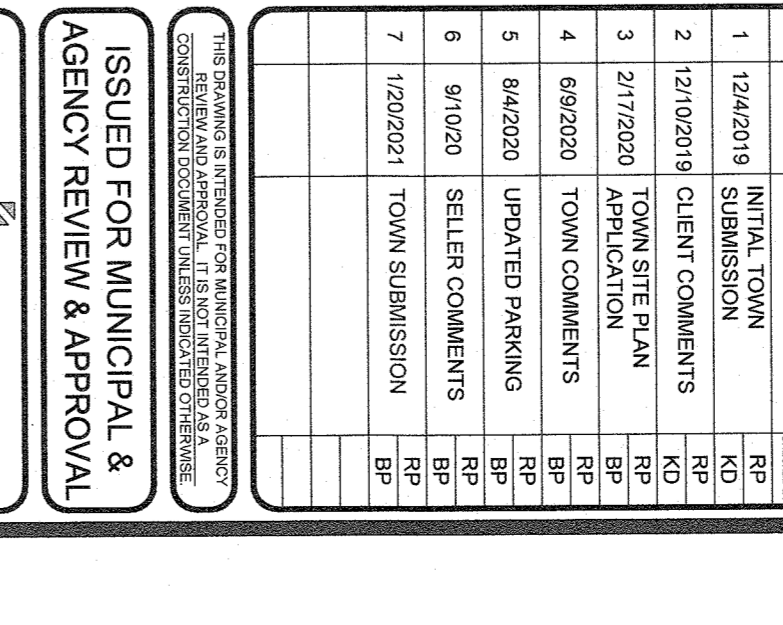
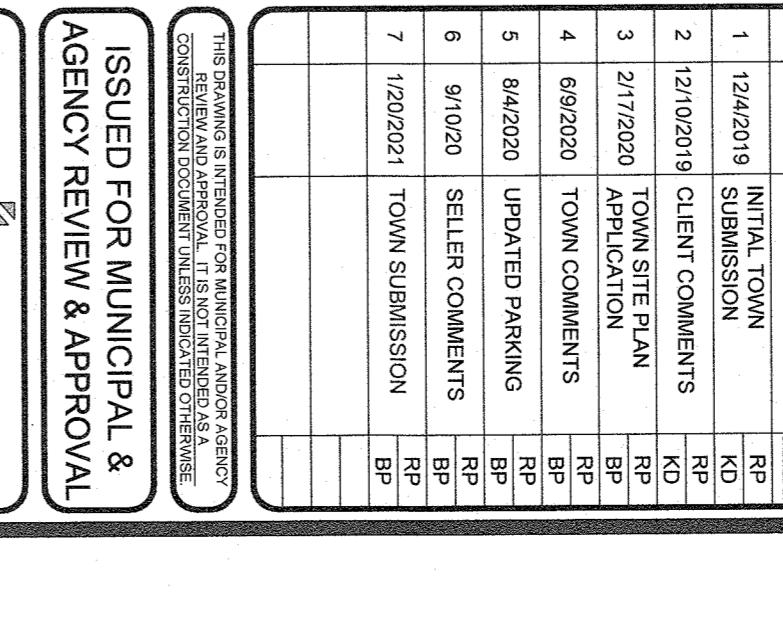
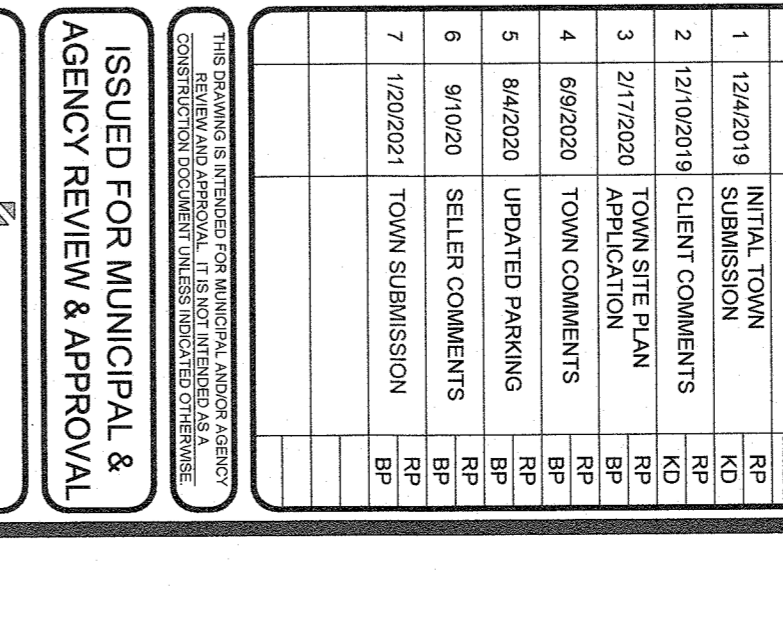
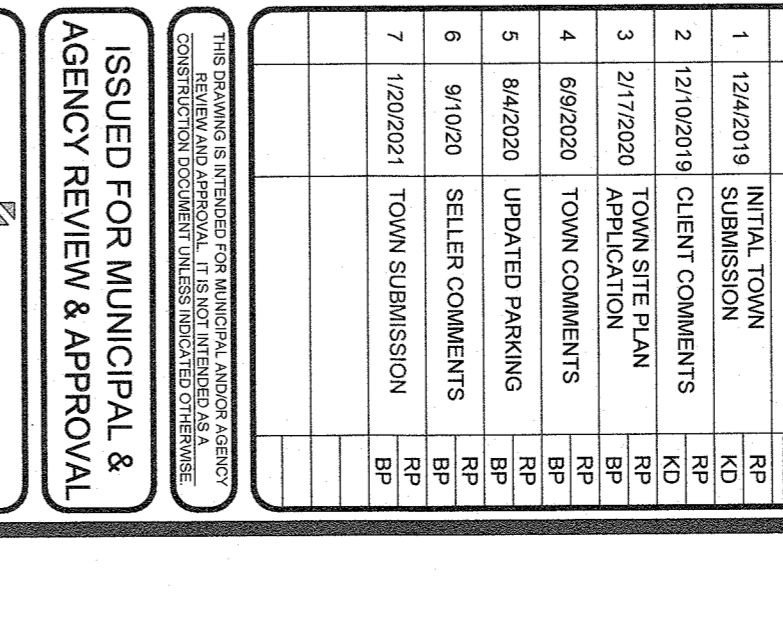
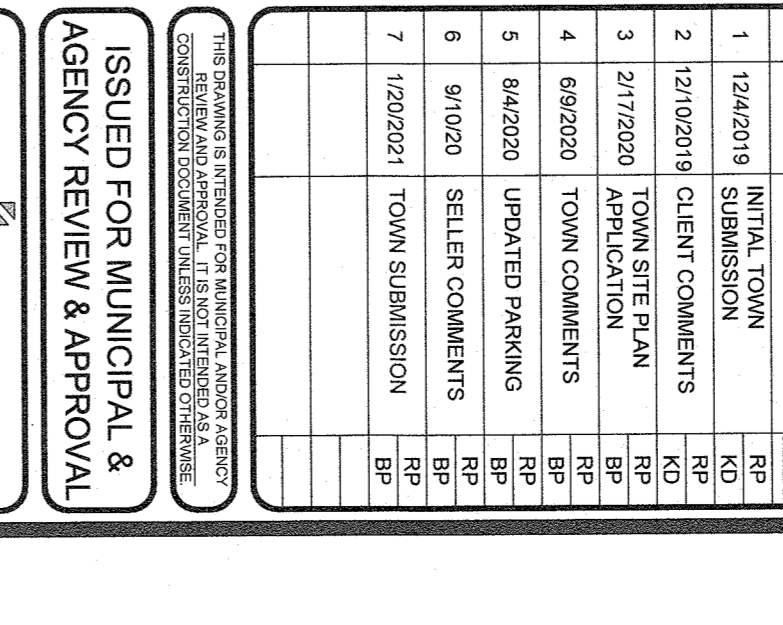
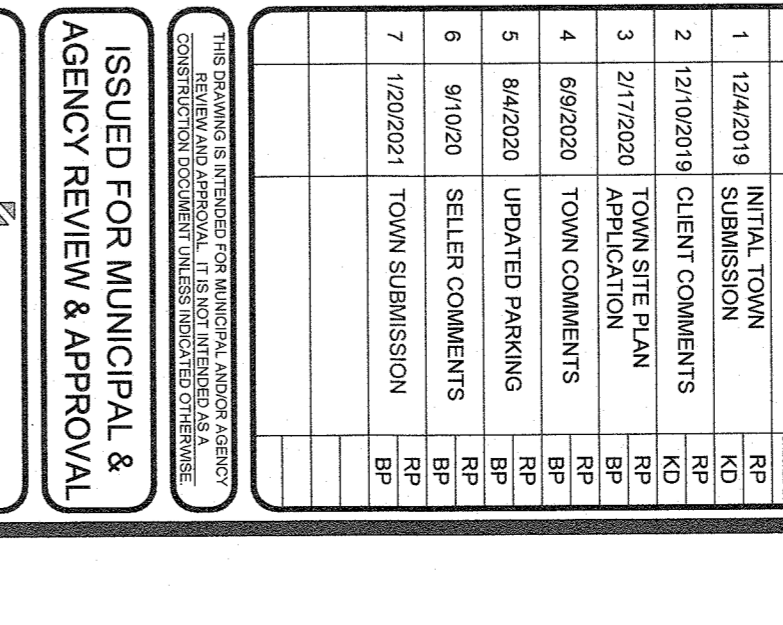
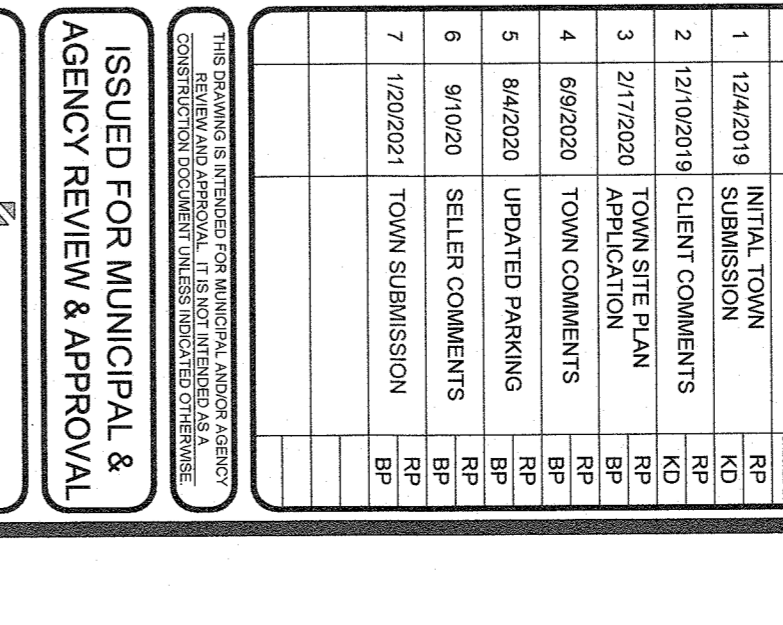
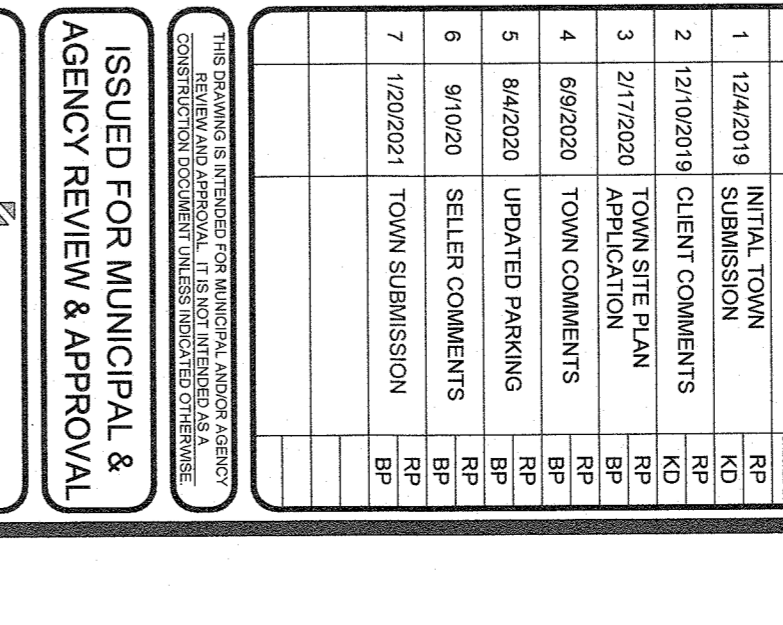
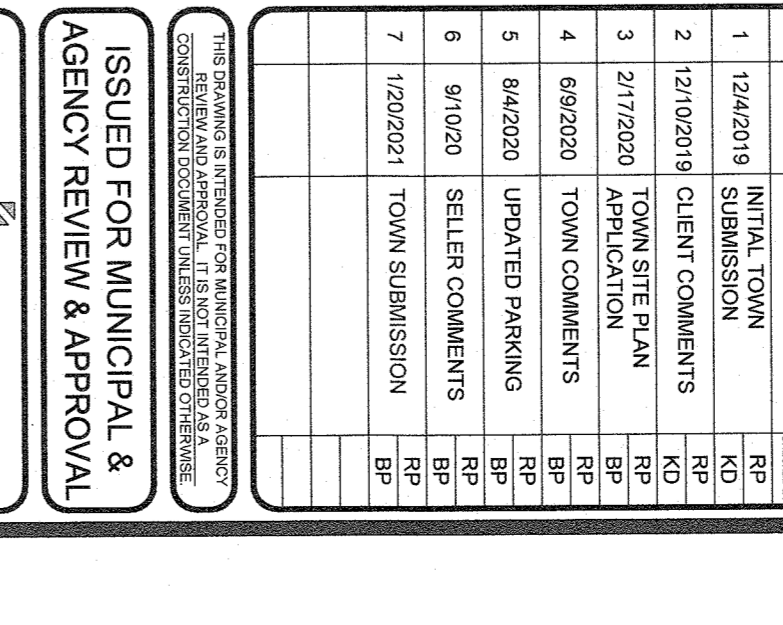
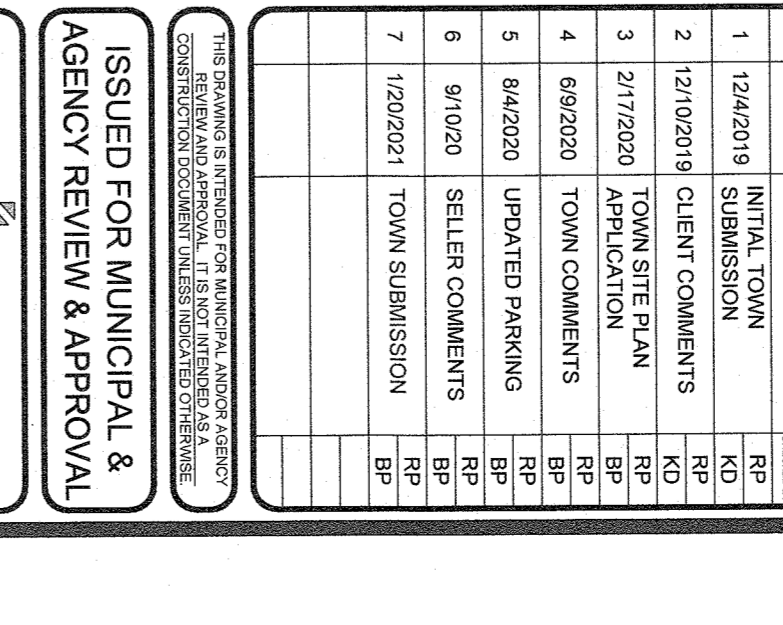
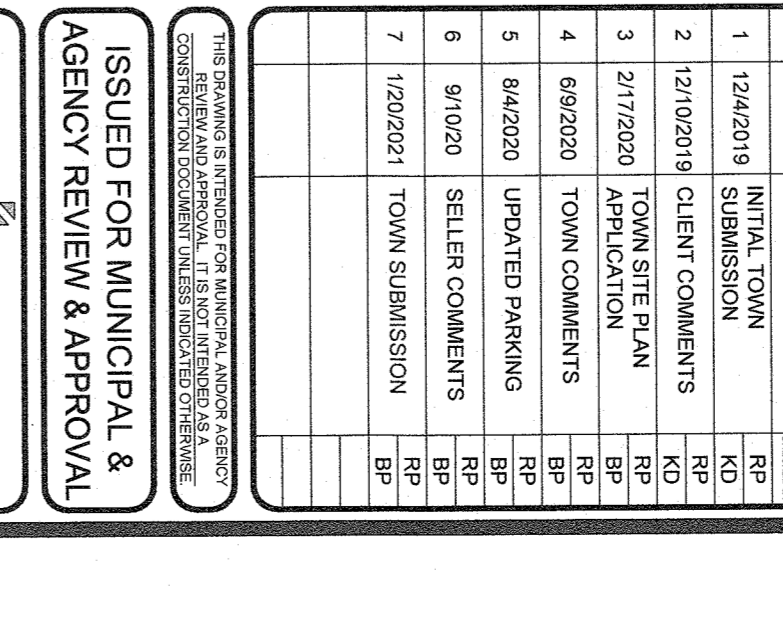
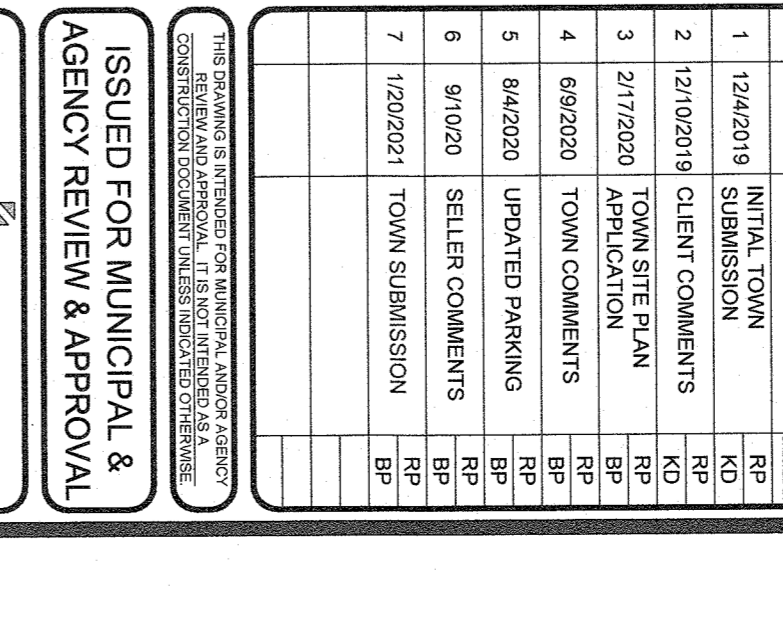
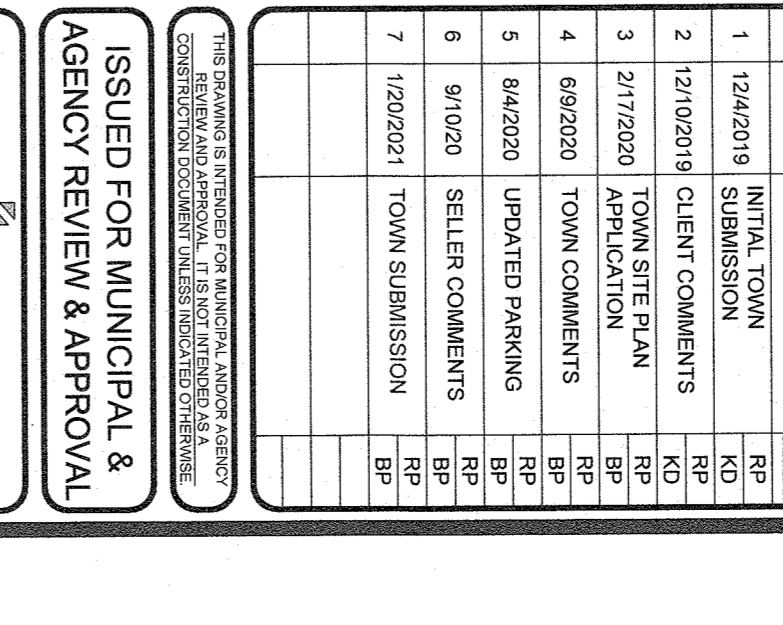
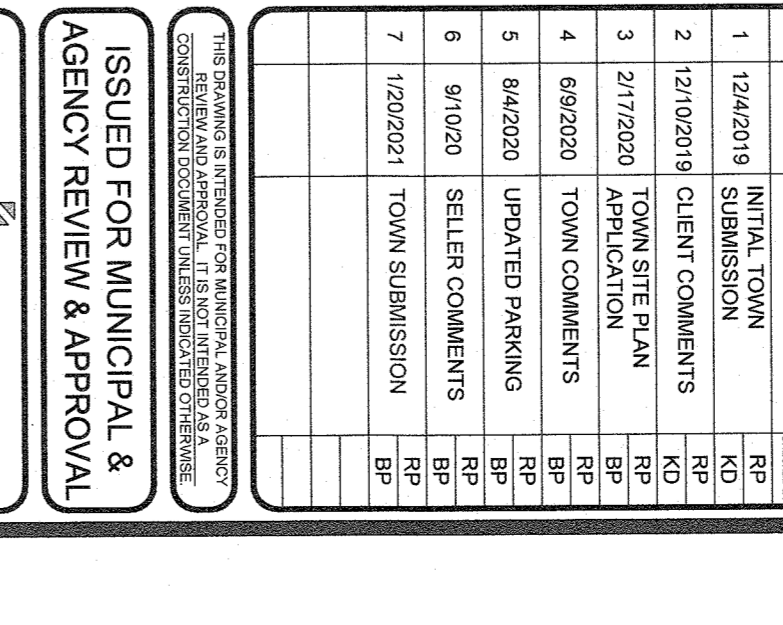
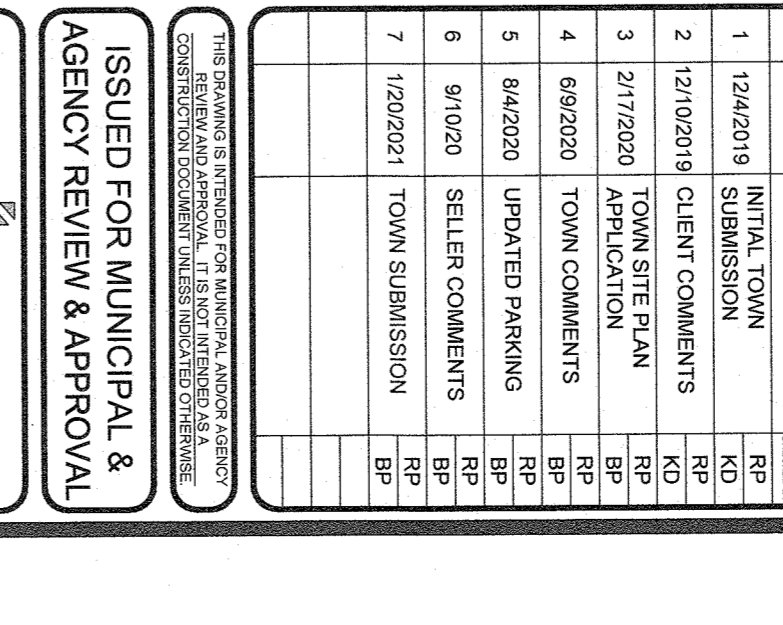
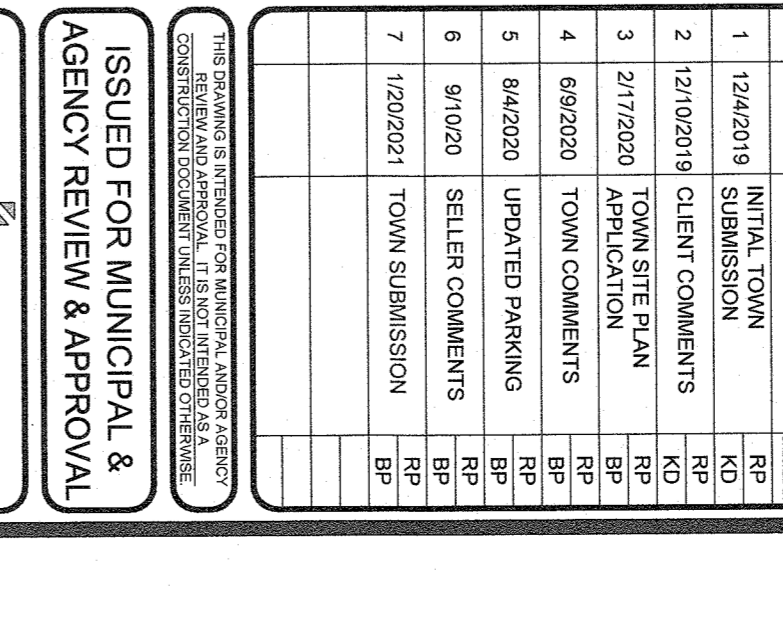
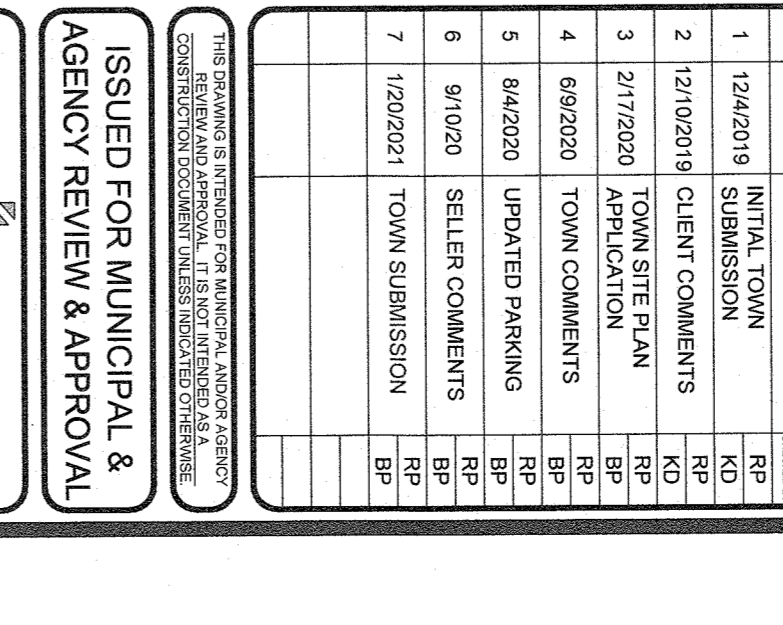
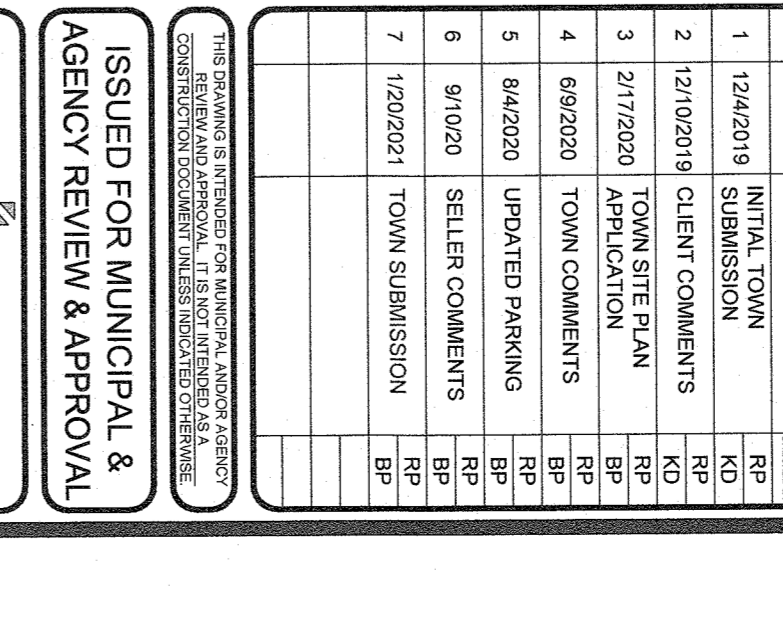
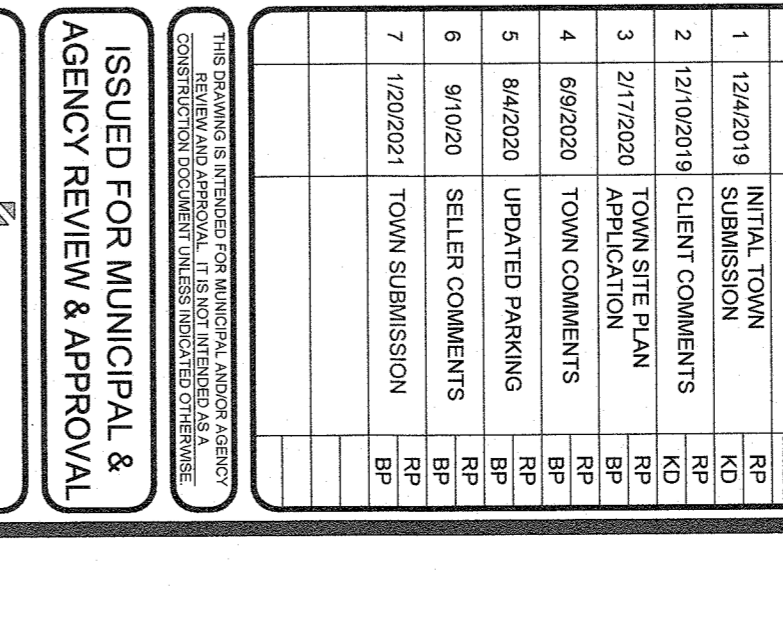
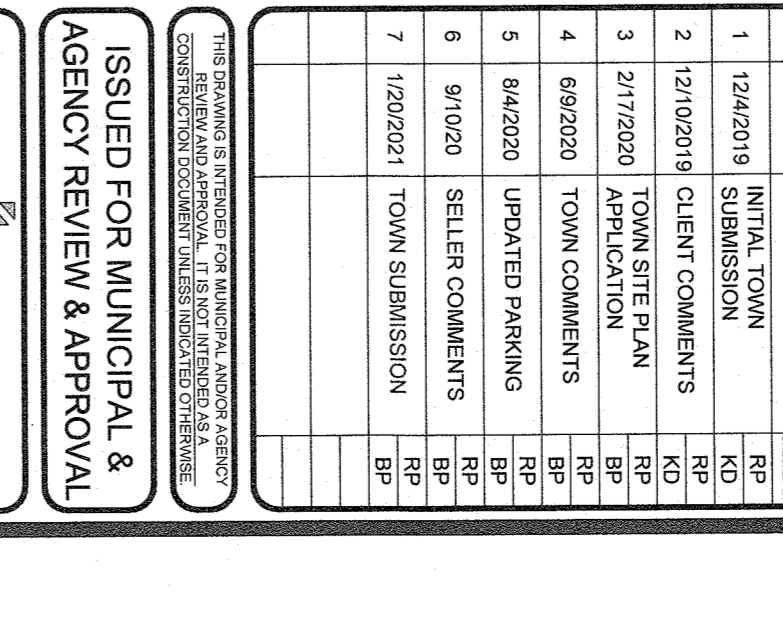
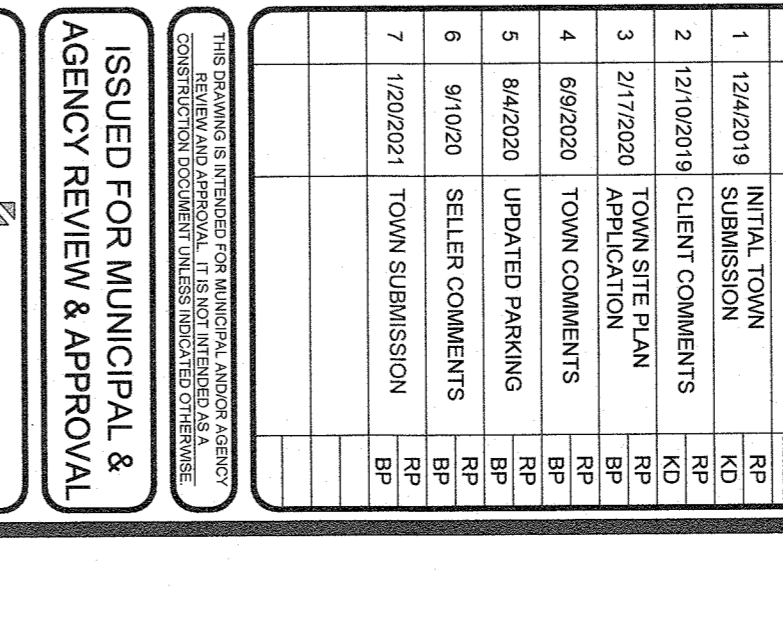
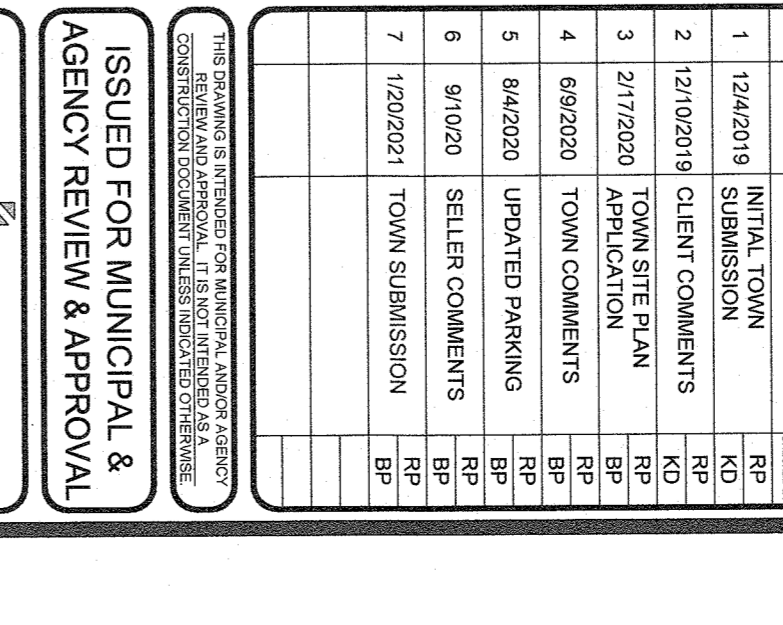
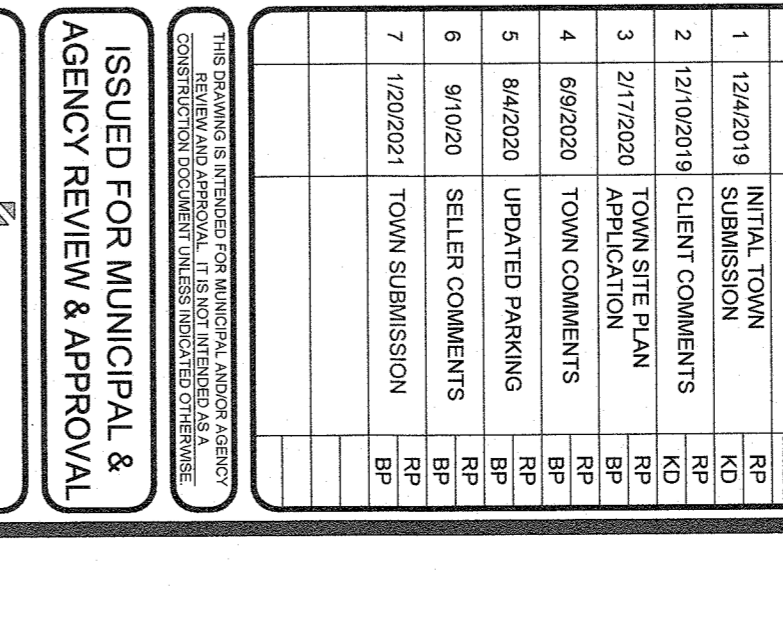
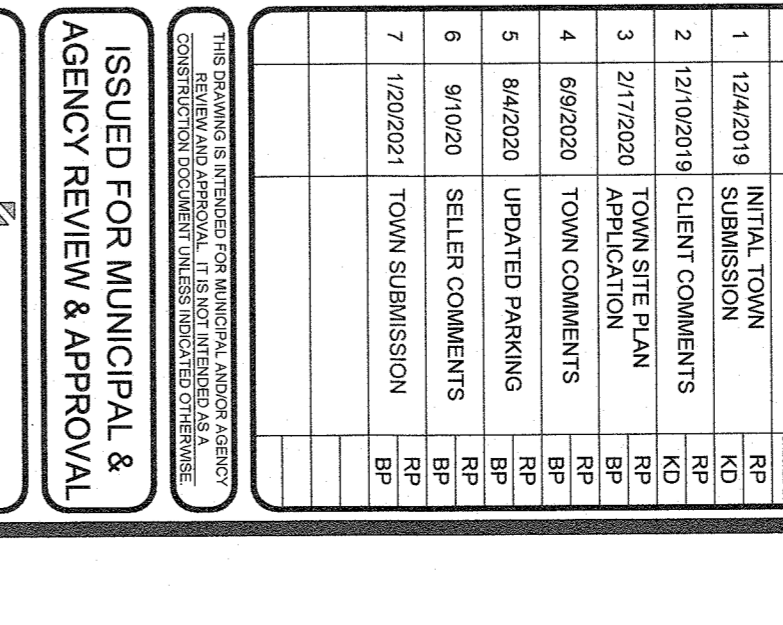
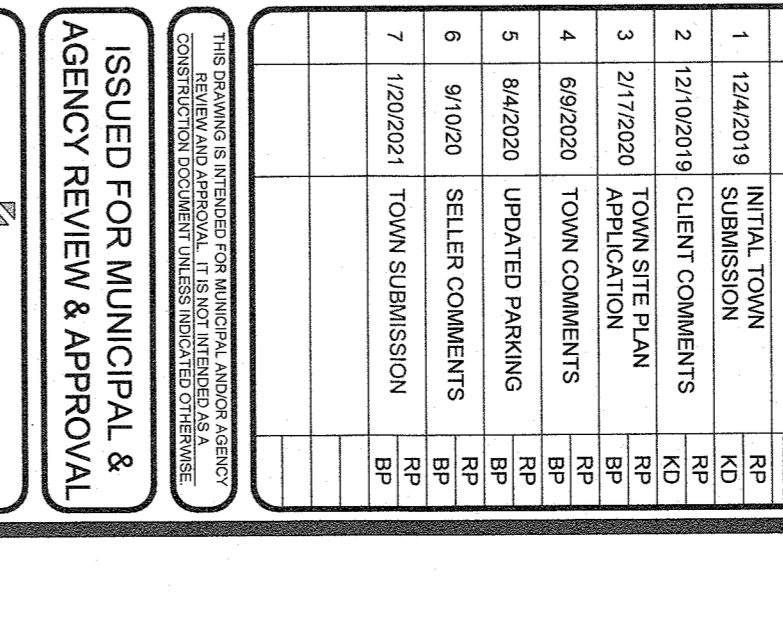
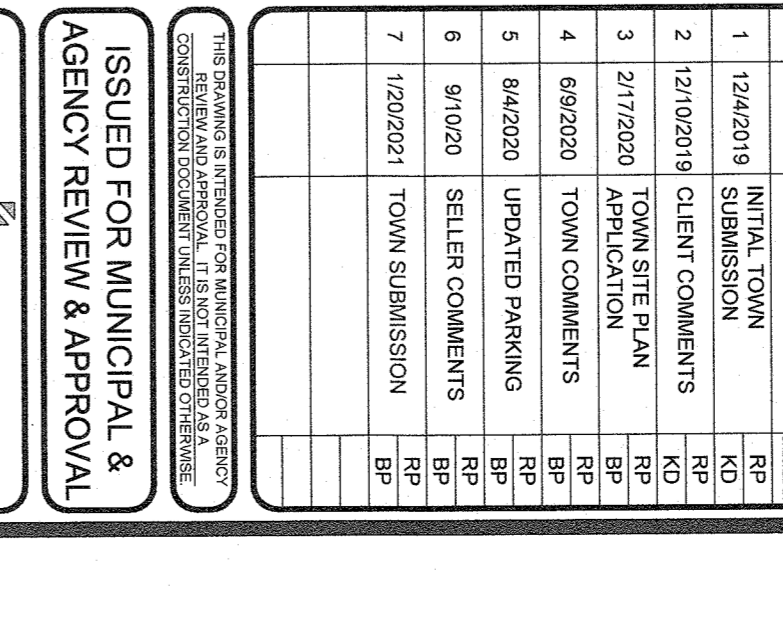
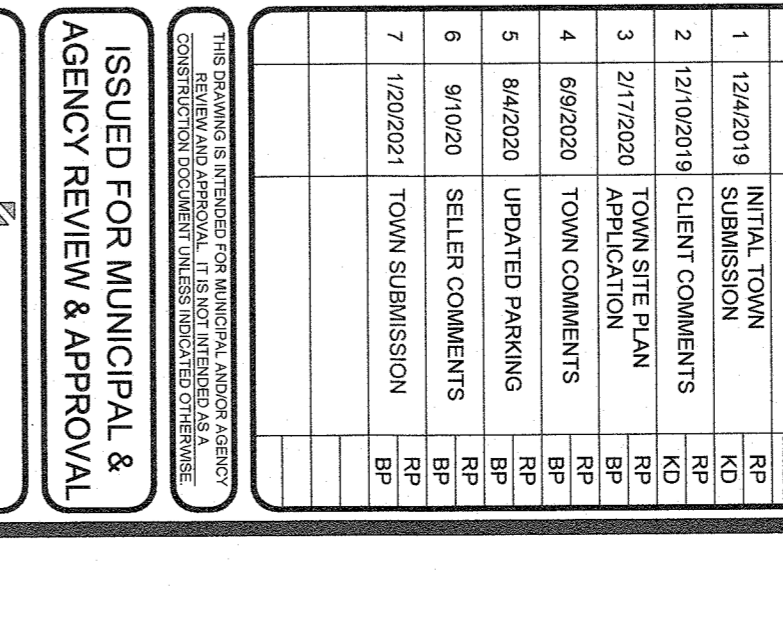
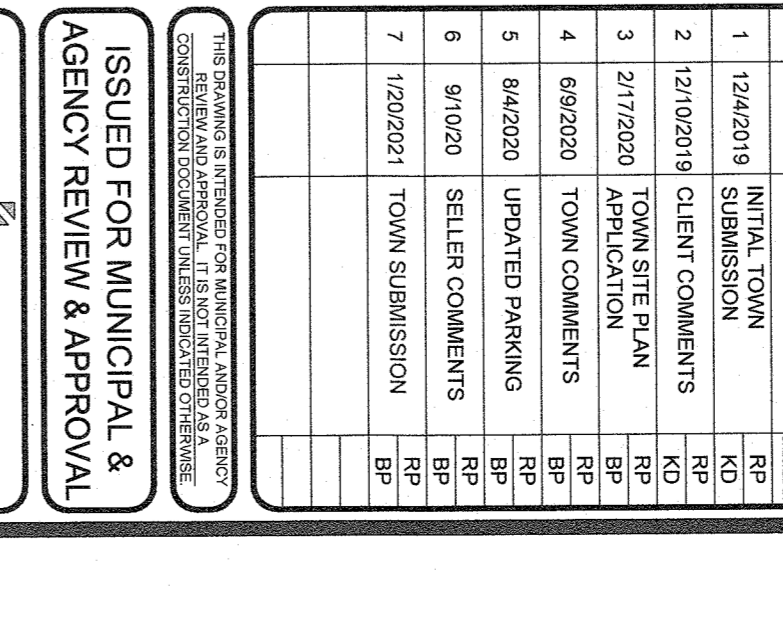
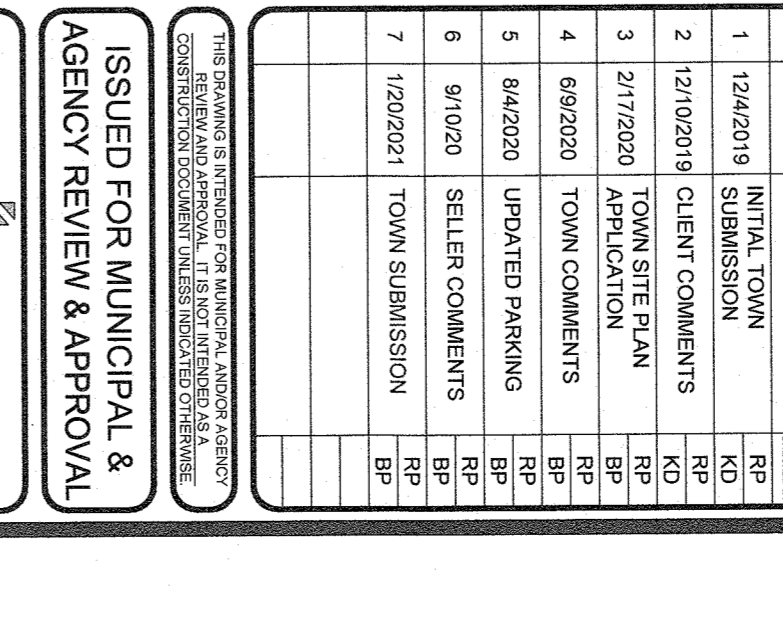
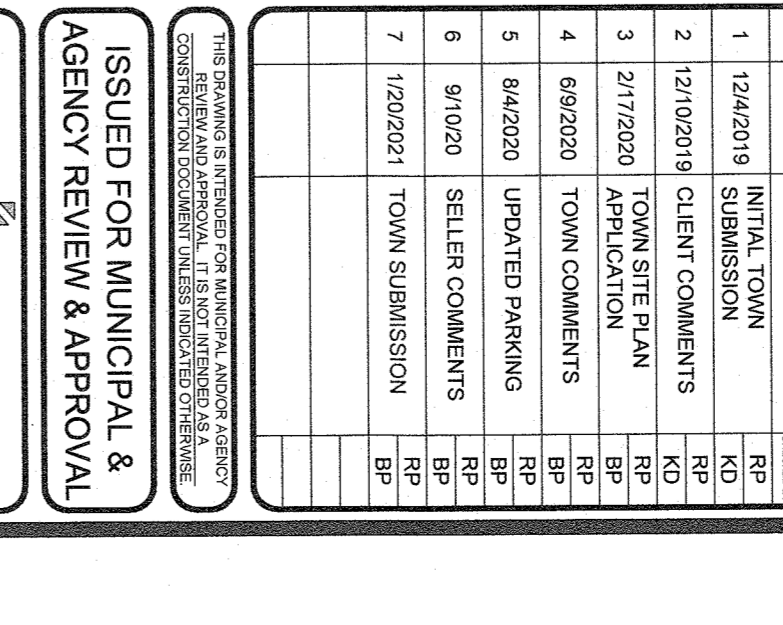
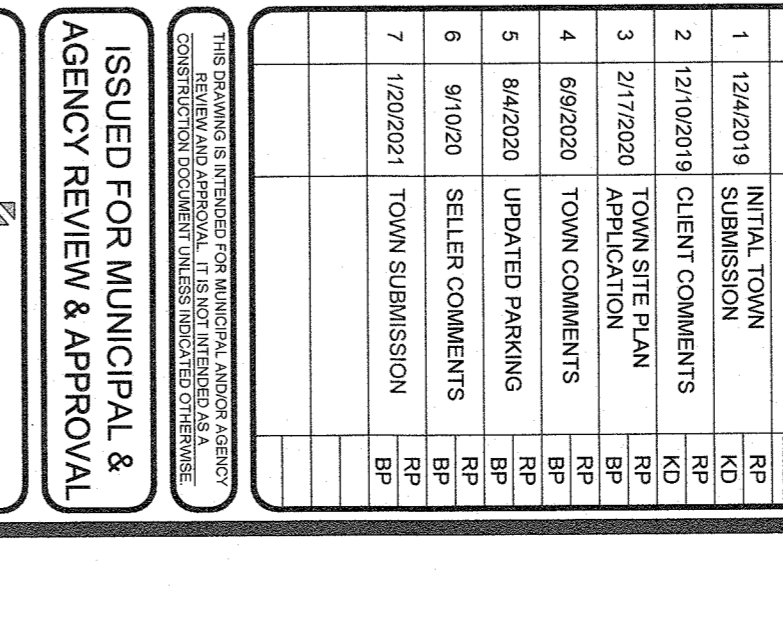
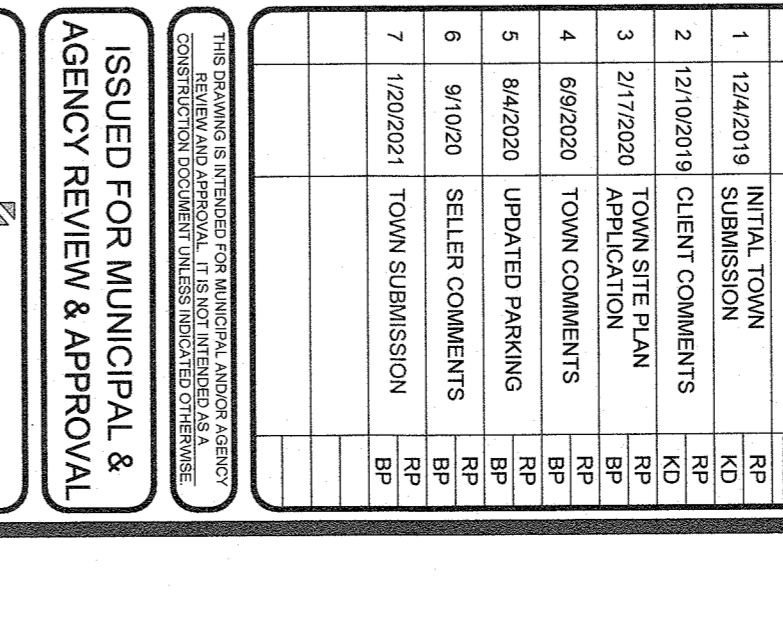
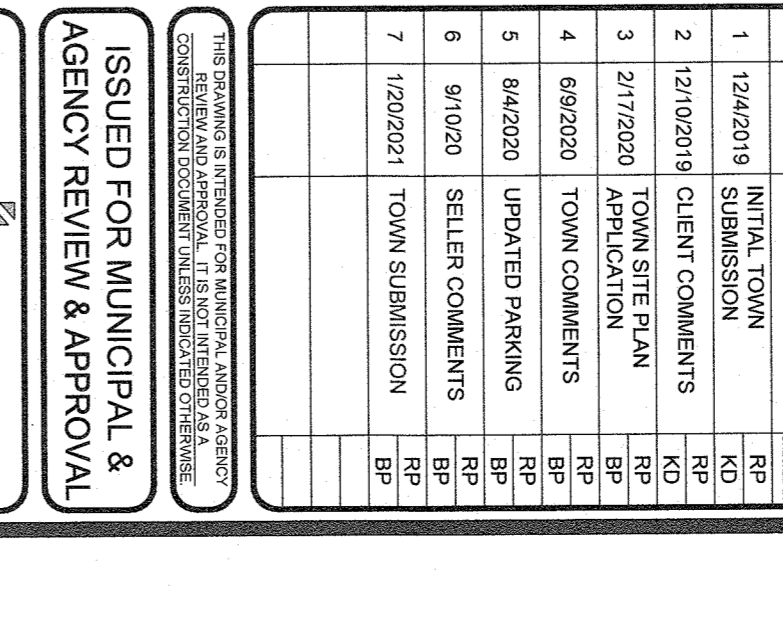
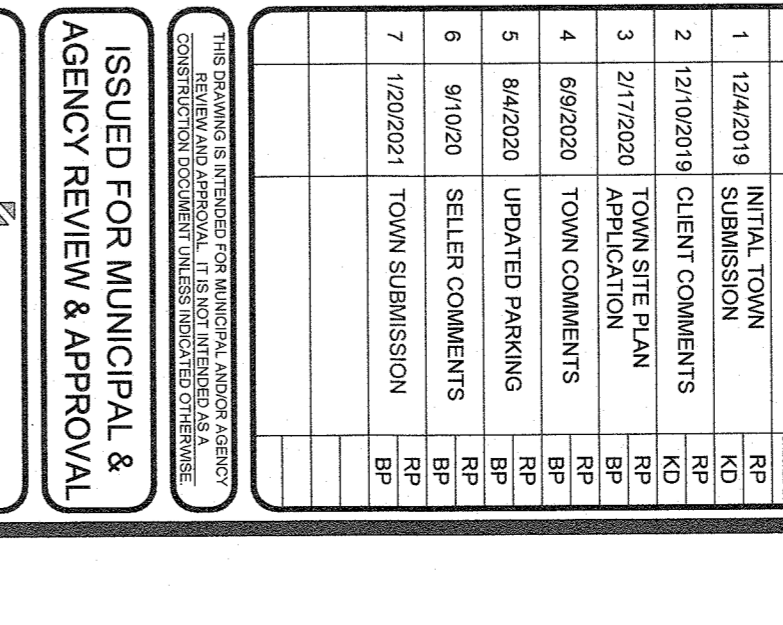
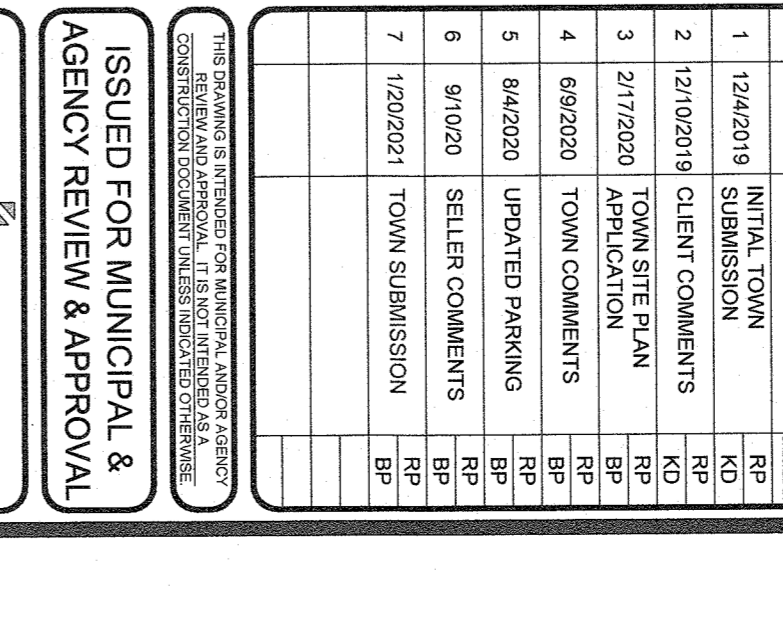
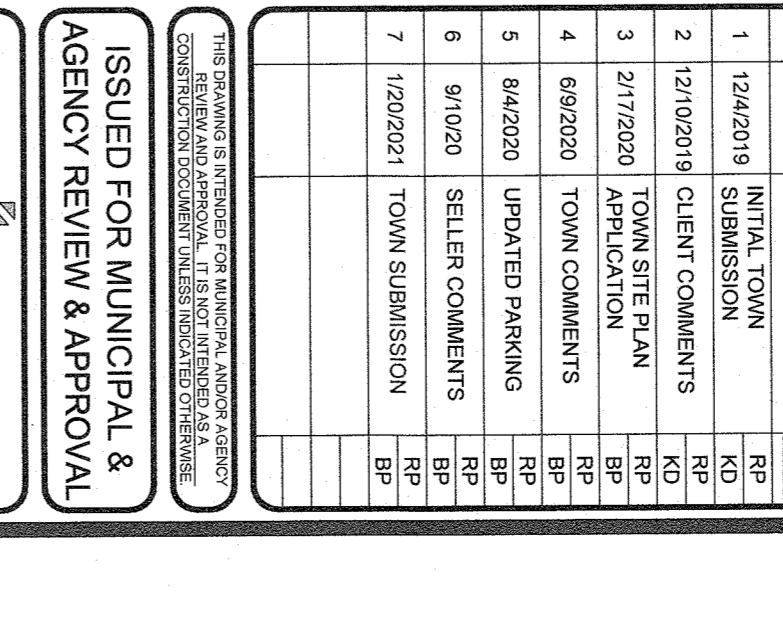
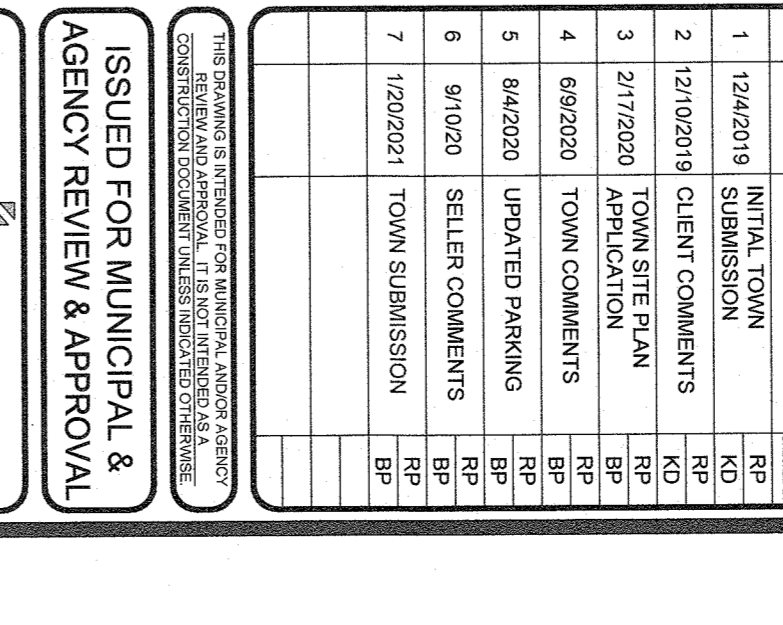
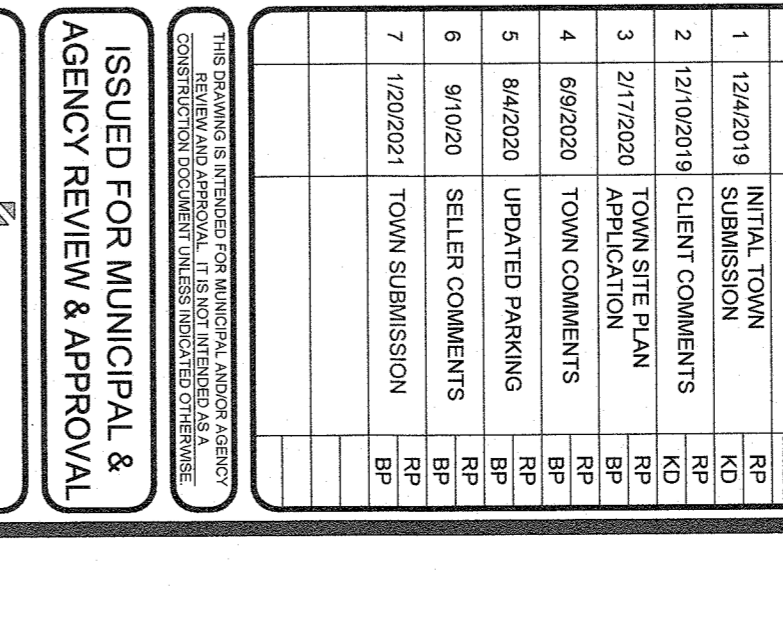
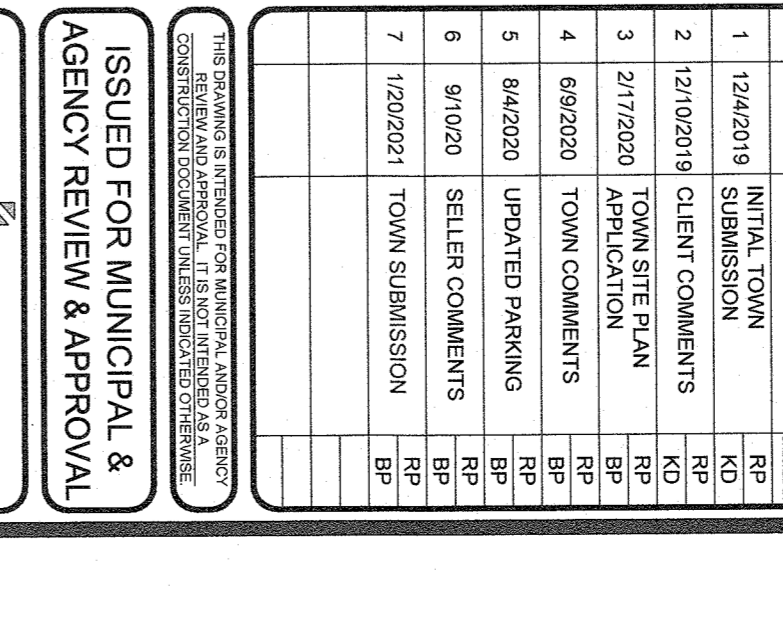
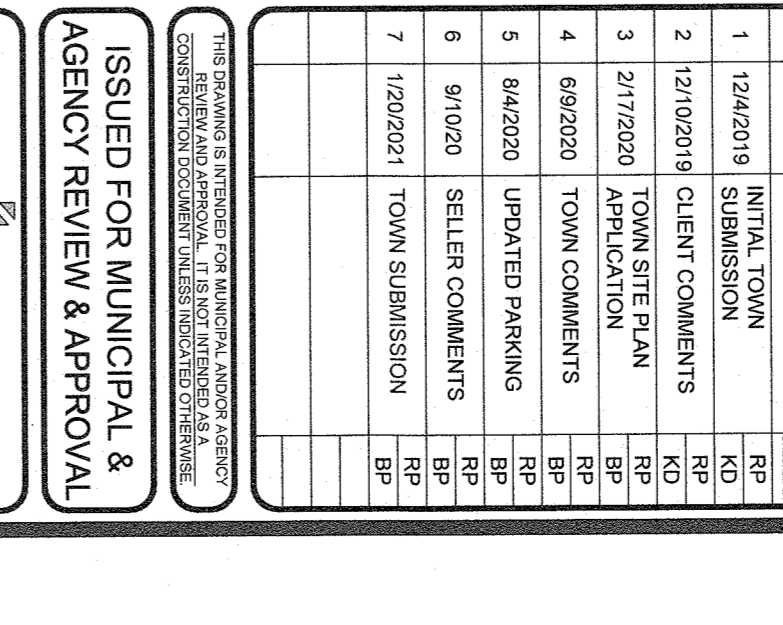
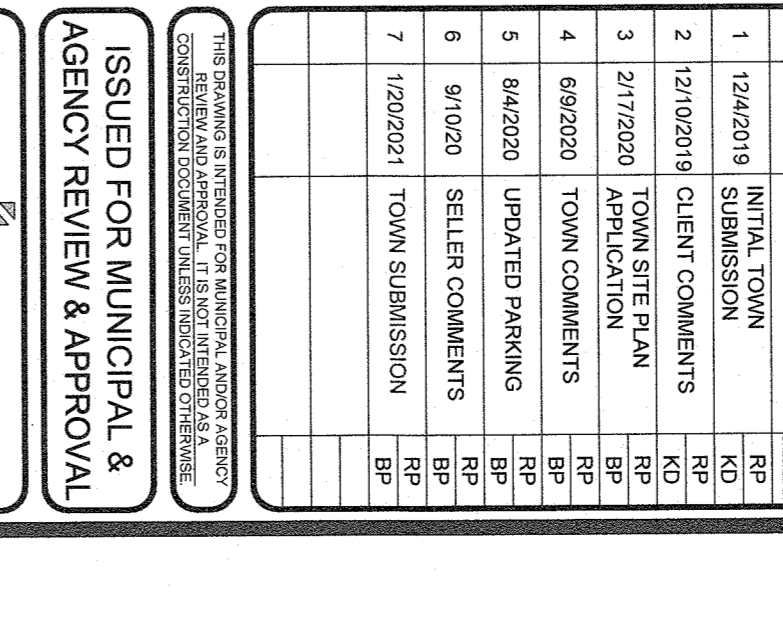
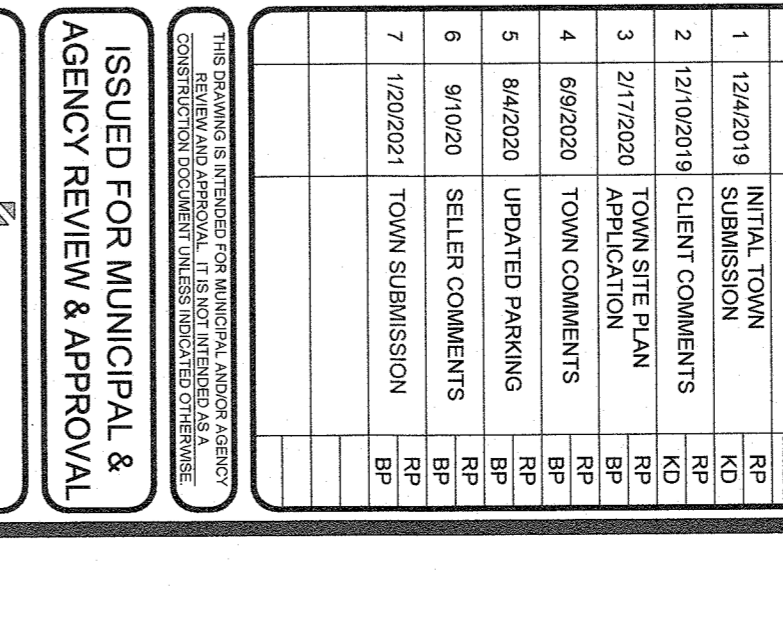
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DATE: 12/20/2020
CHECKED BY: AS SHOWN
SCALE: AS SHOWN
CAD ID: N19156-SEC-7B

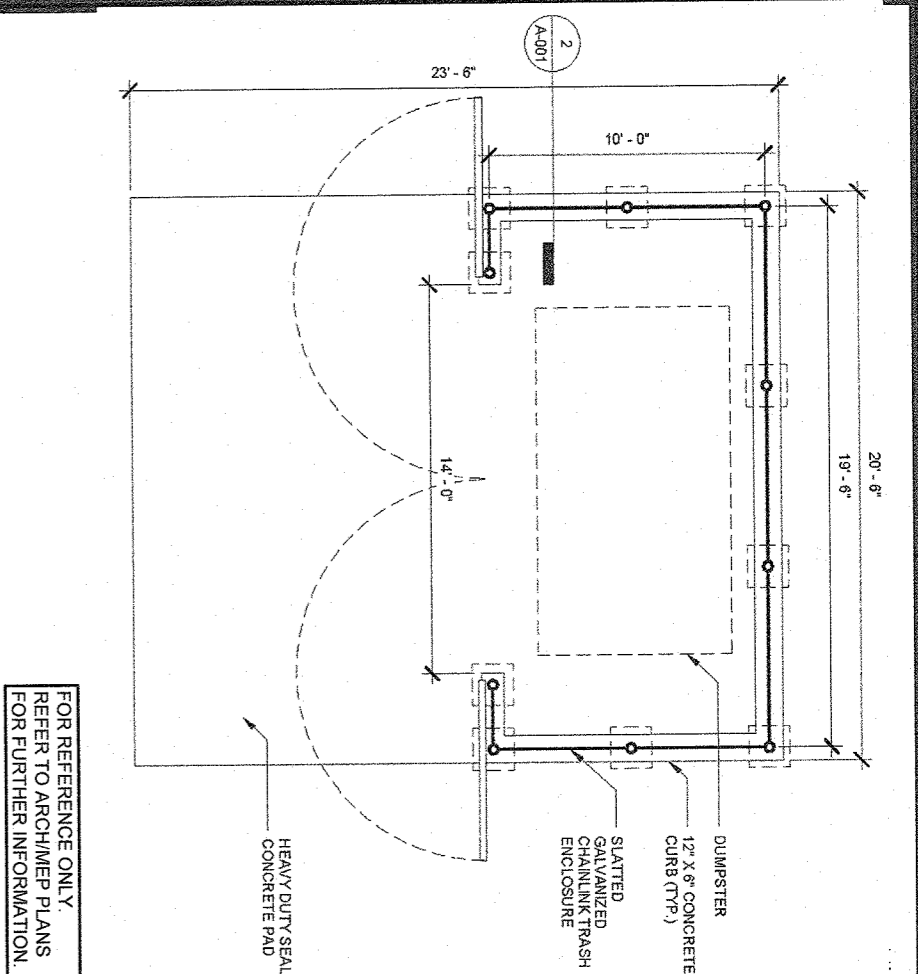
CONSTRUCTION SEQUENCE

- PARTIAL BUILDING DEMOLITION
- INSTALL EROSION CONTROL MEASURES AND TEMP. SEDIMENT BASIN
- UTILITY TRENCHING AND BUILDING FOUNDATIONS
- SITE GRADING AND CURBING - BEGIN BUILDING CONSTRUCTION
- BASE COURSE PAVEMENT AND LANDSCAPING
- FINAL BUILDING CONSTRUCTION AND ADDITIONAL PAVEMENT REMOVAL
- FINAL PAVING AND REMOVE PAVEMENT IN SOUTHERN HALF OF SITE
- FINAL PAVING + SITE RESTORATION

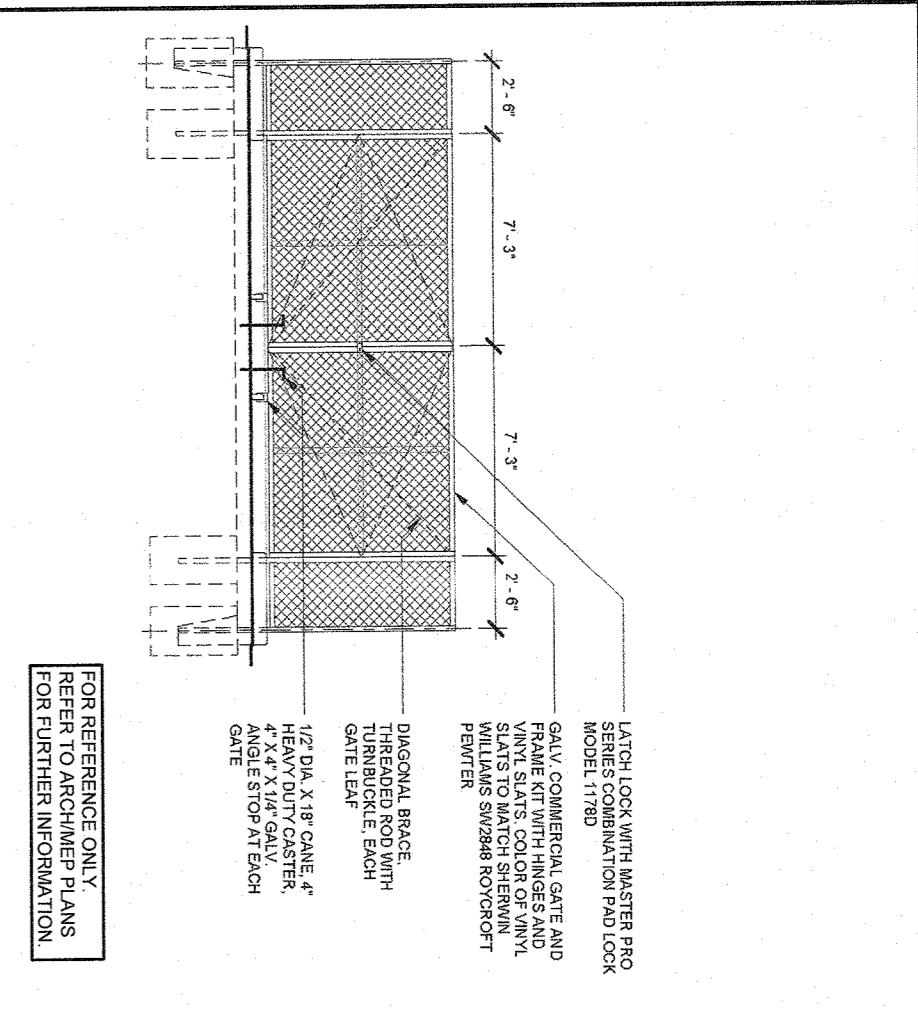
SITE SPECIFIC NOTES

- CONTRACTOR TO MAINTAIN ACCESS FOR RESIDENTS ON BIRCH TREE ROAD AT ALL TIMES THROUGHOUT CONSTRUCTION TO PROVIDE CONSTRUCTION SEQUENCE AND TIMELINE TO OWNER & OWNER'S ENGINEER PRIOR TO PROJECT COMMENCING.
- CONTRACTOR TO MAINTAIN ADEQUATE ACCESS TO EXISTING SHOPPING CENTERS FOR BUS, TRUCK, AND TRAILER TRAFFIC DURING CONSTRUCTION. INDICATE ANY ACCESS ISSUES.
- EROSION CONTROL MEASURES SUCH AS SILT SOCK, SILT FENCE, INLET PROTECTION SHALL BE INSTALLED PRIOR TO ANY EXCAVATION OR EROSION CONTROL MEASURES. RUNOFF IS LEAVING THE SITE DURING THE FINAL PAVING PHASE. ALL AREAS WHERE SUB-GRADE IS REVEALED MUST BE PROTECTED BY SILT SOCK.
- DURING THE FINAL PAVING PHASE, CONTRACTOR SHALL MAINTAIN AT LEAST ONE DRIVE ACCESS TO THE VENDOR'S PARKING AT ALL TIMES DURING CONSTRUCTION.
- THERE SHALL BE NO DISTURBANCE OF THE EXISTING VEGETATION BERM IN THE VICINITY OF THE MARKED WETLANDS TO THE SOUTH OF THE PROJECT AREA.

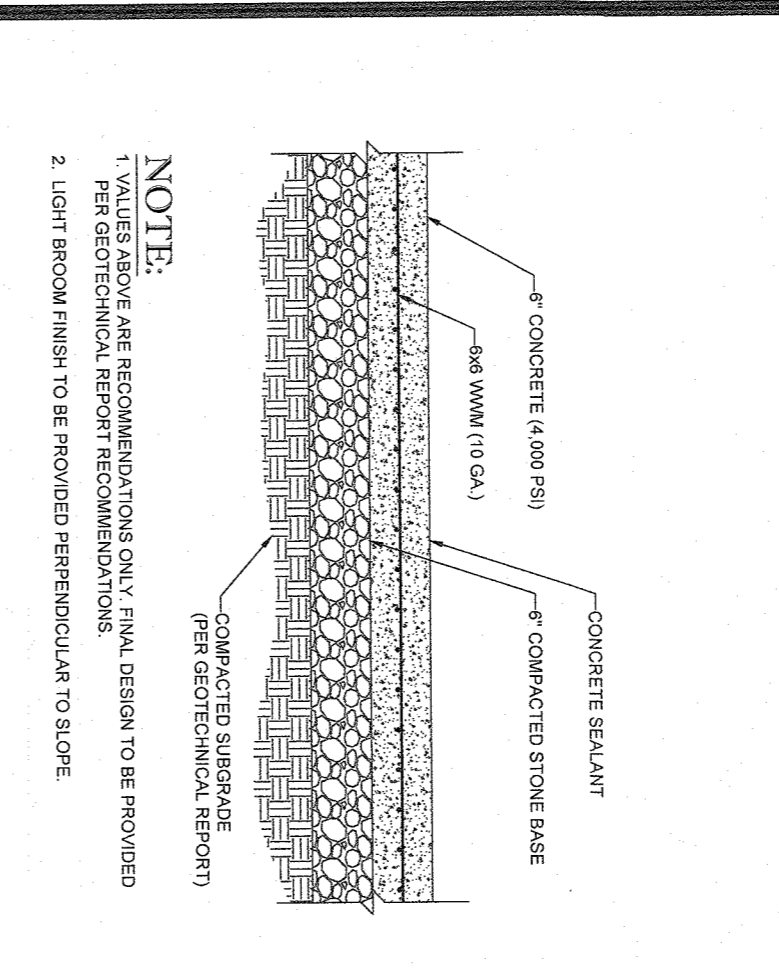




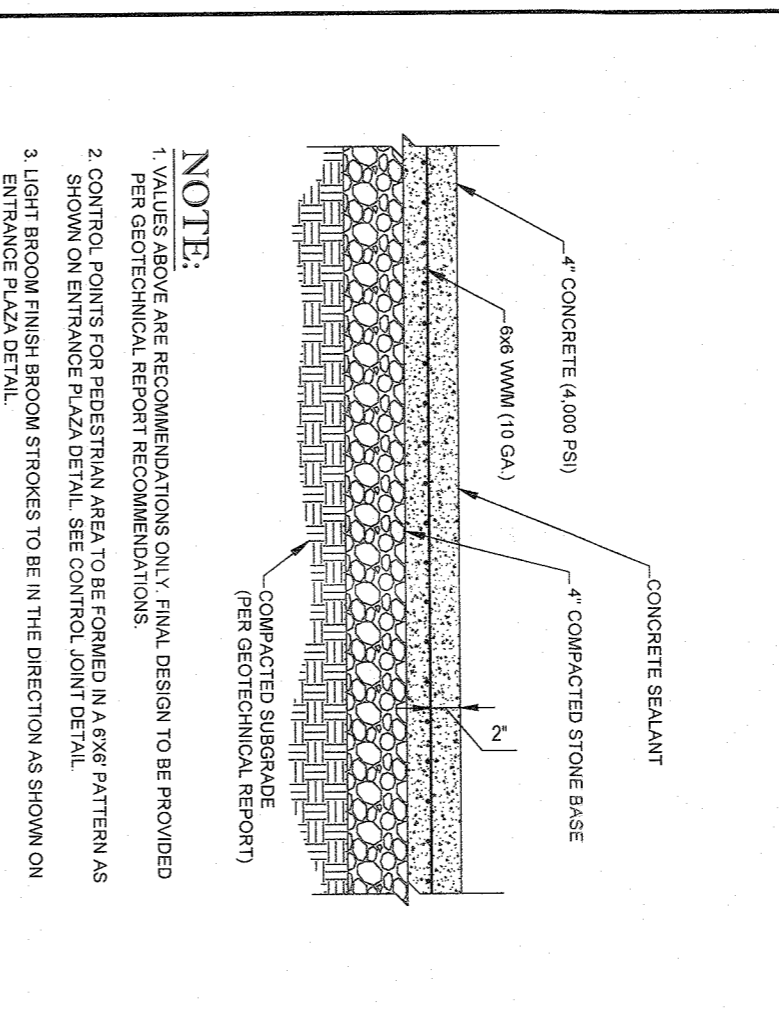
1 TRASH ENCLOSURE PLAN DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



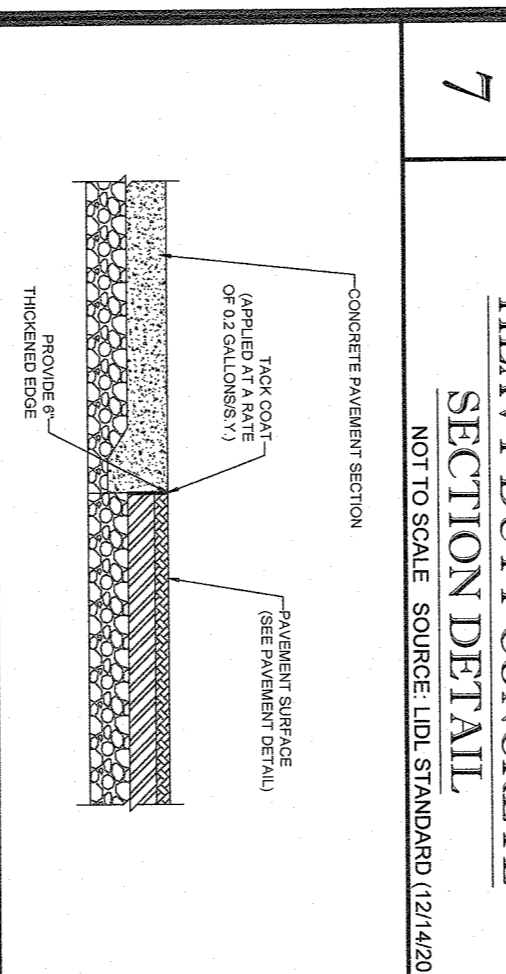
2 TRASH ENCLOSURE GATE DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



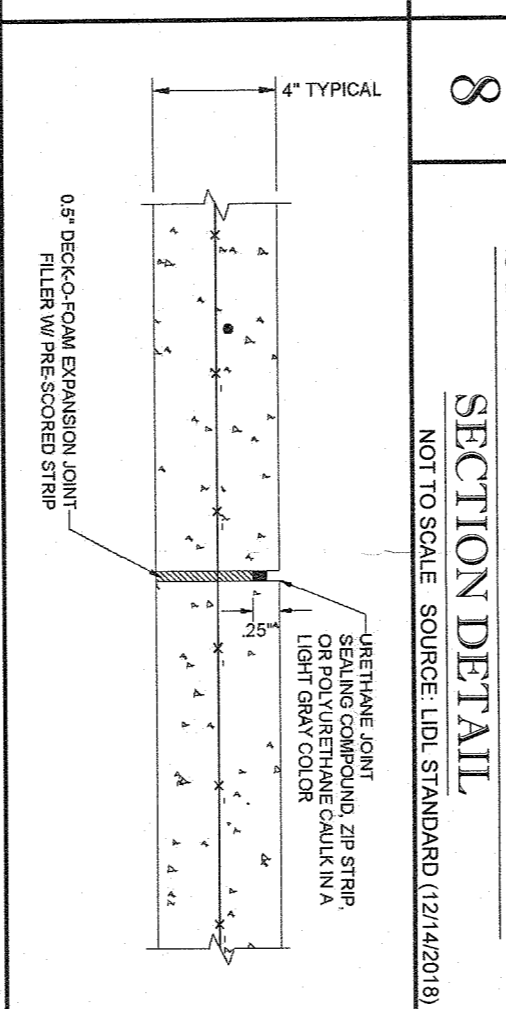
7 HEAVY DUTY CONCRETE SECTION DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



8 STANDARD DUTY CONCRETE SECTION DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



12 CONCRETE-TO-ASPHALT DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-01-28)



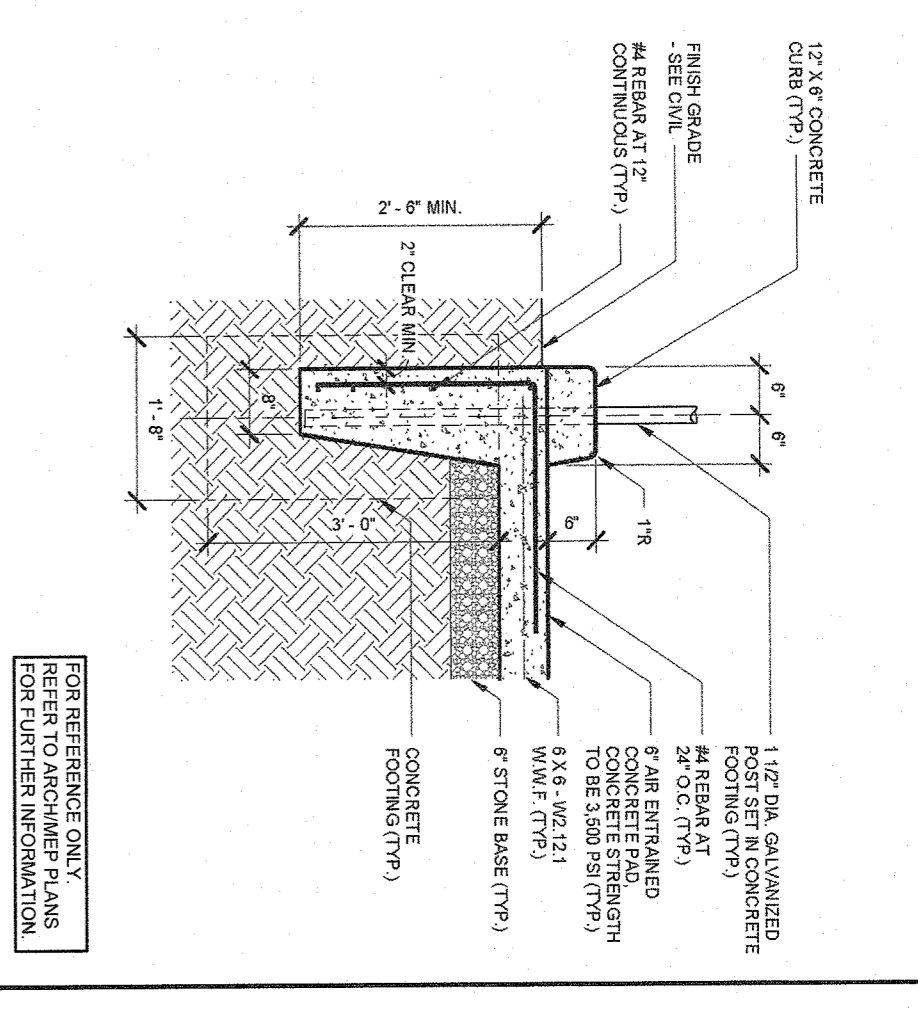
13 EXPANSION JOINT DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



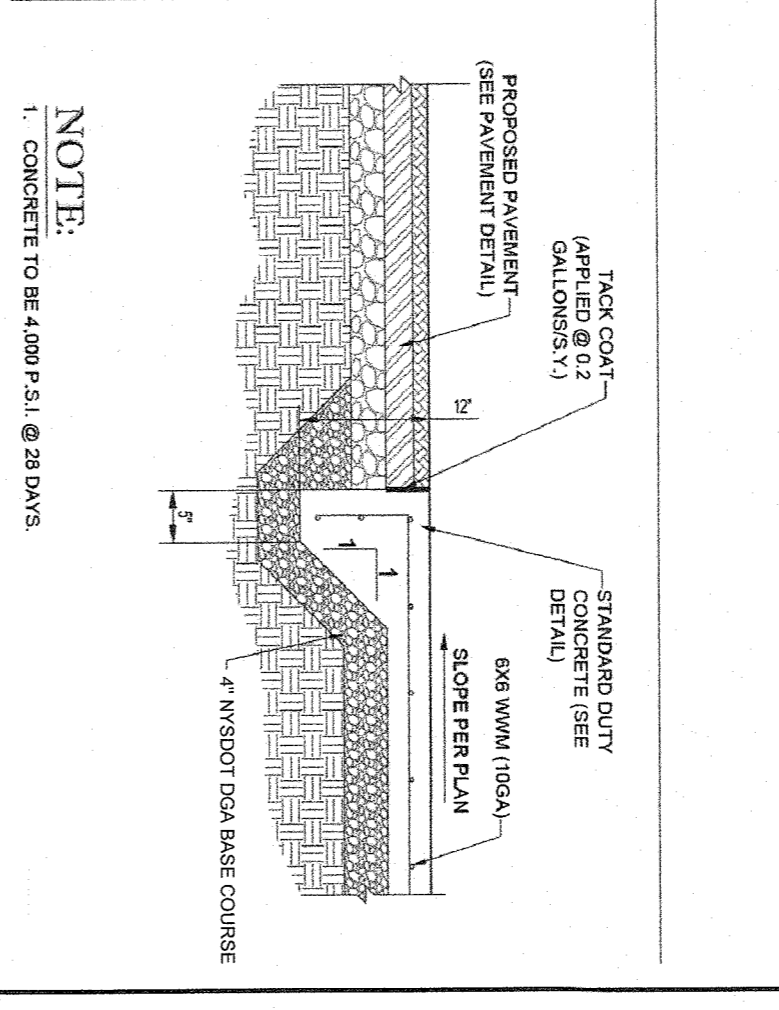
14 CONTROL JOINT DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



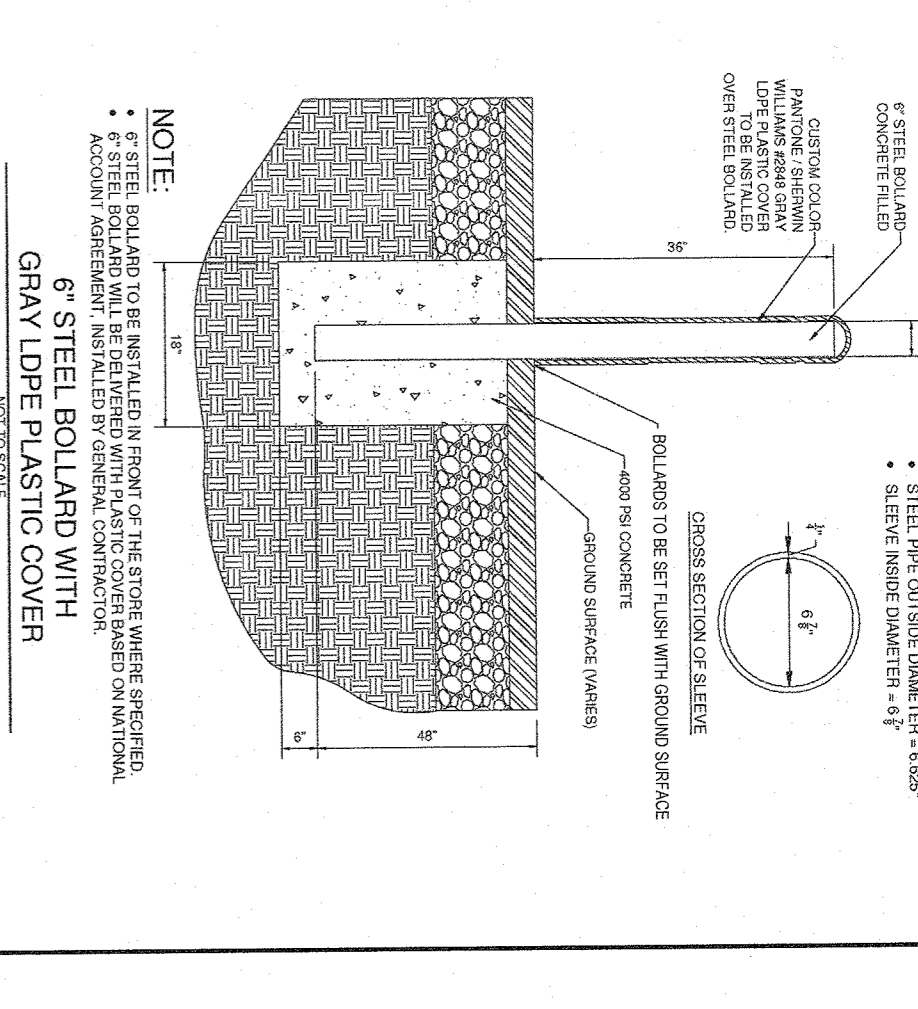
15 SIDEWALK WITH EXPANSION JOINTS DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



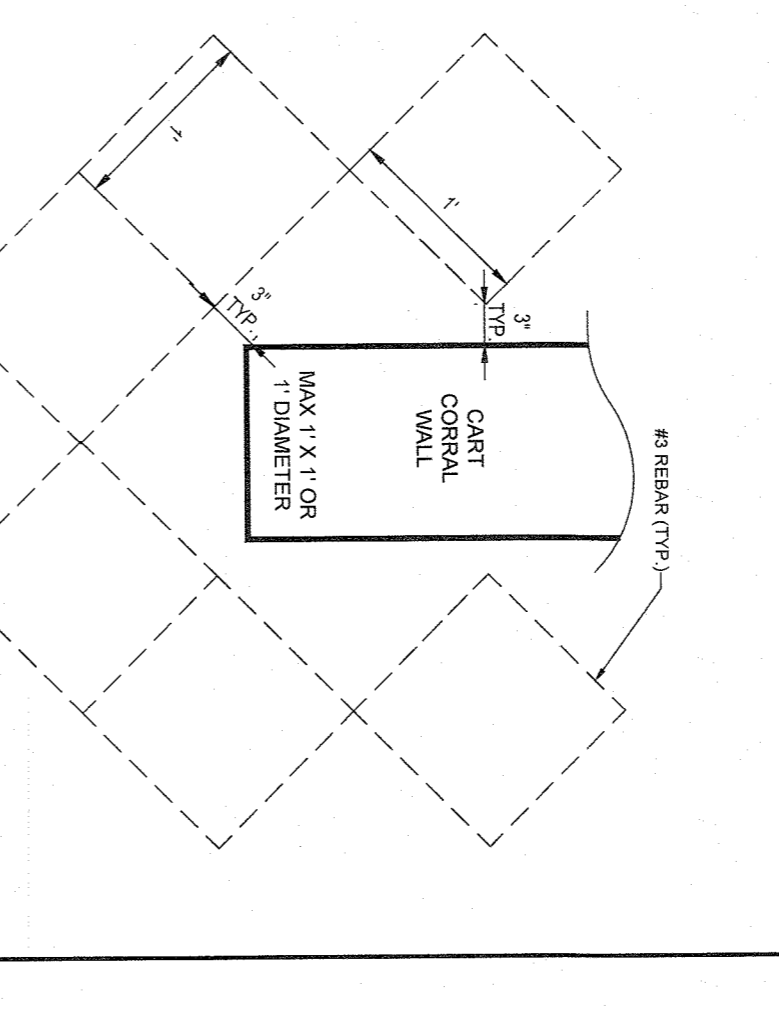
3 TRASH ENCLOSURE CONCRETE PAD DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



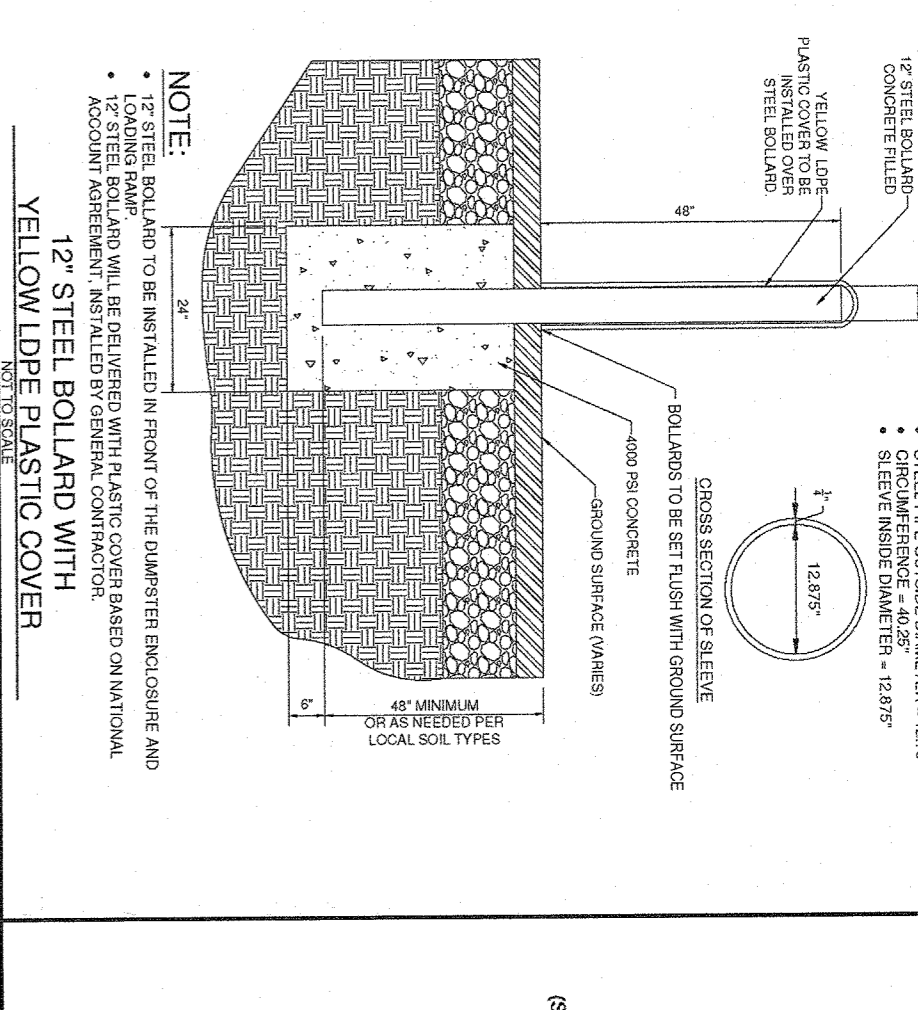
9 STANDARD DUTY CONC. WITH THICKENED EDGE DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



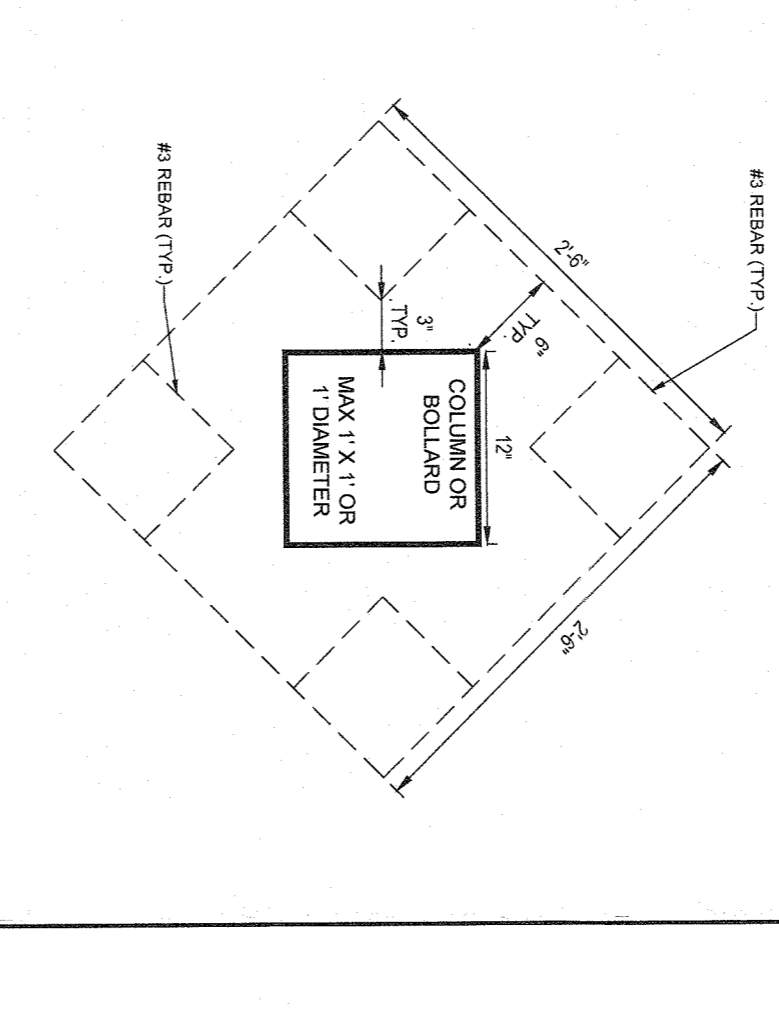
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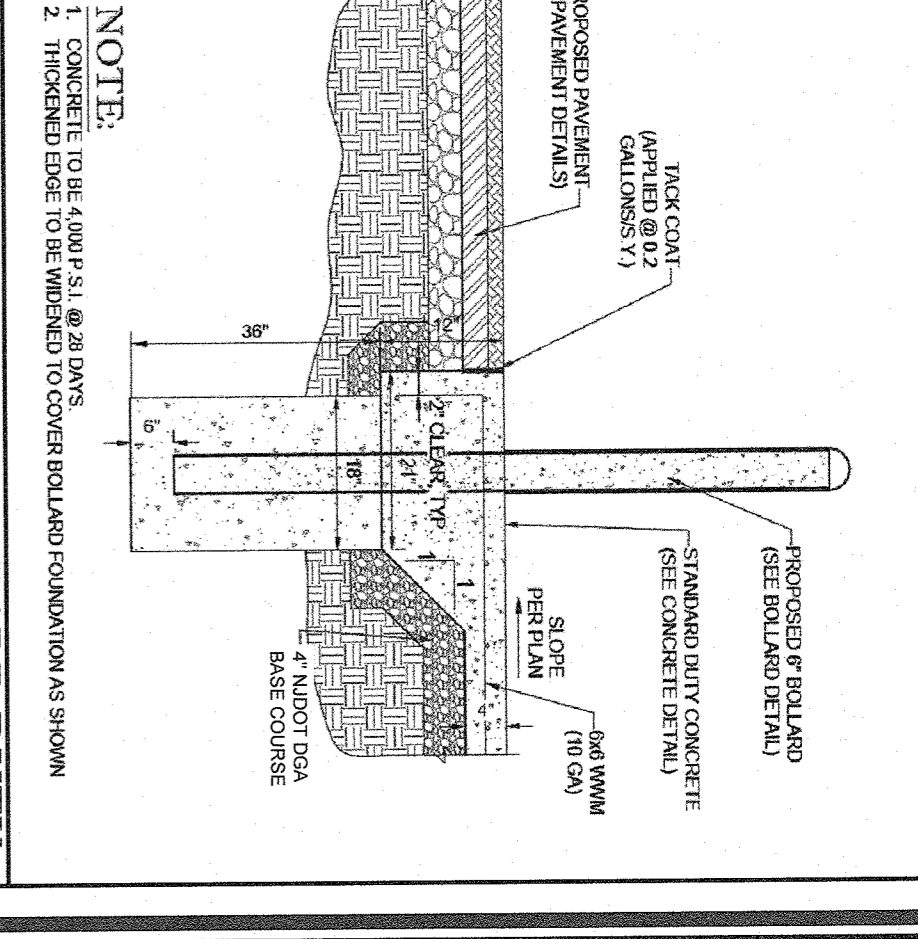
10 CART CORRAL WALL REBAR DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



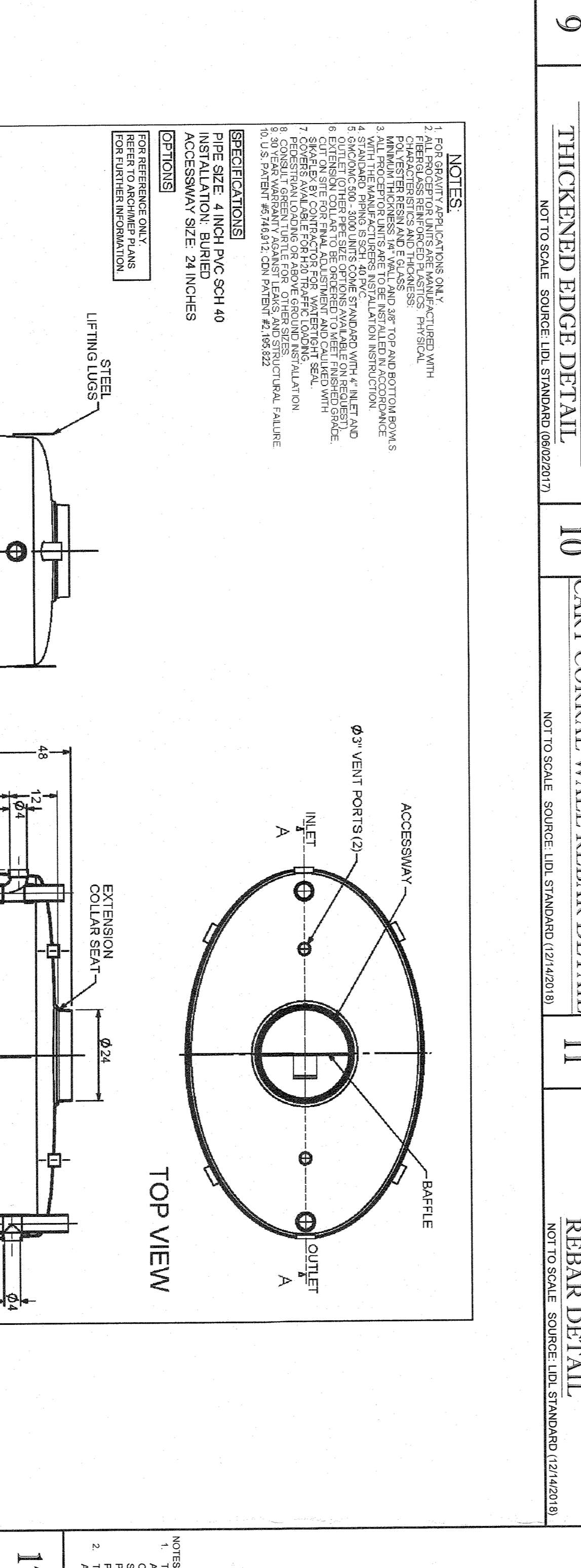
5 12\"/>



11 COLUMN OR BOLLARD REBAR DETAIL
NOT TO SCALE SOURCE: LUL STANDARD (2018-02-20)



6 6\"/>



16 GREASE INTERCEPTOR DETAIL
NOT TO SCALE (LUL STANDARD DETAIL)

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS UNLESS IT IS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. THE ENGINEER'S SIGNATURE, SEAL, DATE AND DESCRIPTION OF THE EXTENT OF THE ALTERATION ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS MUST BE ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS. ANY ALTERATION WITHOUT THE ENGINEER'S SIGNATURE, SEAL, DATE AND DESCRIPTION IS UNLAWFUL.

PROJECT CASE # 19156
PROJECT NAME VAN ACCESSIBLE SIGN

BOHLER ENGINEERING
SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS

REV	DATE	COMMENT	BY	CHECKED BY
1	12/4/2019	INITIAL TOWN SUBMISSION	KD	RP
2	12/10/2019	CLIENT COMMENTS	KD	RP
3	2/17/2020	TOWN SITE PLAN APPLICATION	RP	RP
4	6/9/2020	TOWN COMMENTS	RP	RP
5	8/4/2020	UPDATED PARKING	RP	RP
6	9/1/2020	SELECT COMMENTS	RP	RP
7	11/20/2021	TOWN SUBMISSION	RP	RP

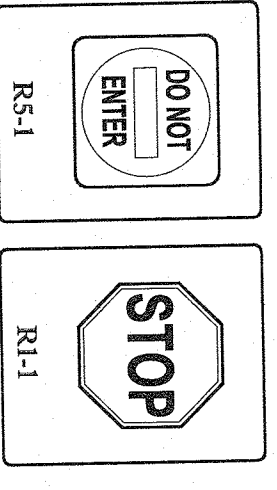
Dig Safely - New York
800-962-7962
www.digsafely.com

PROPOSED GROCERY STORE #456
3-88 NYS ROUTE 303
TAPPAN
TOWN OF ORANGETOWN
ROCKLAND COUNTY, NY 10983
SHEET NO. 11 OF 11
SHEET LOTS 33-37 & 41

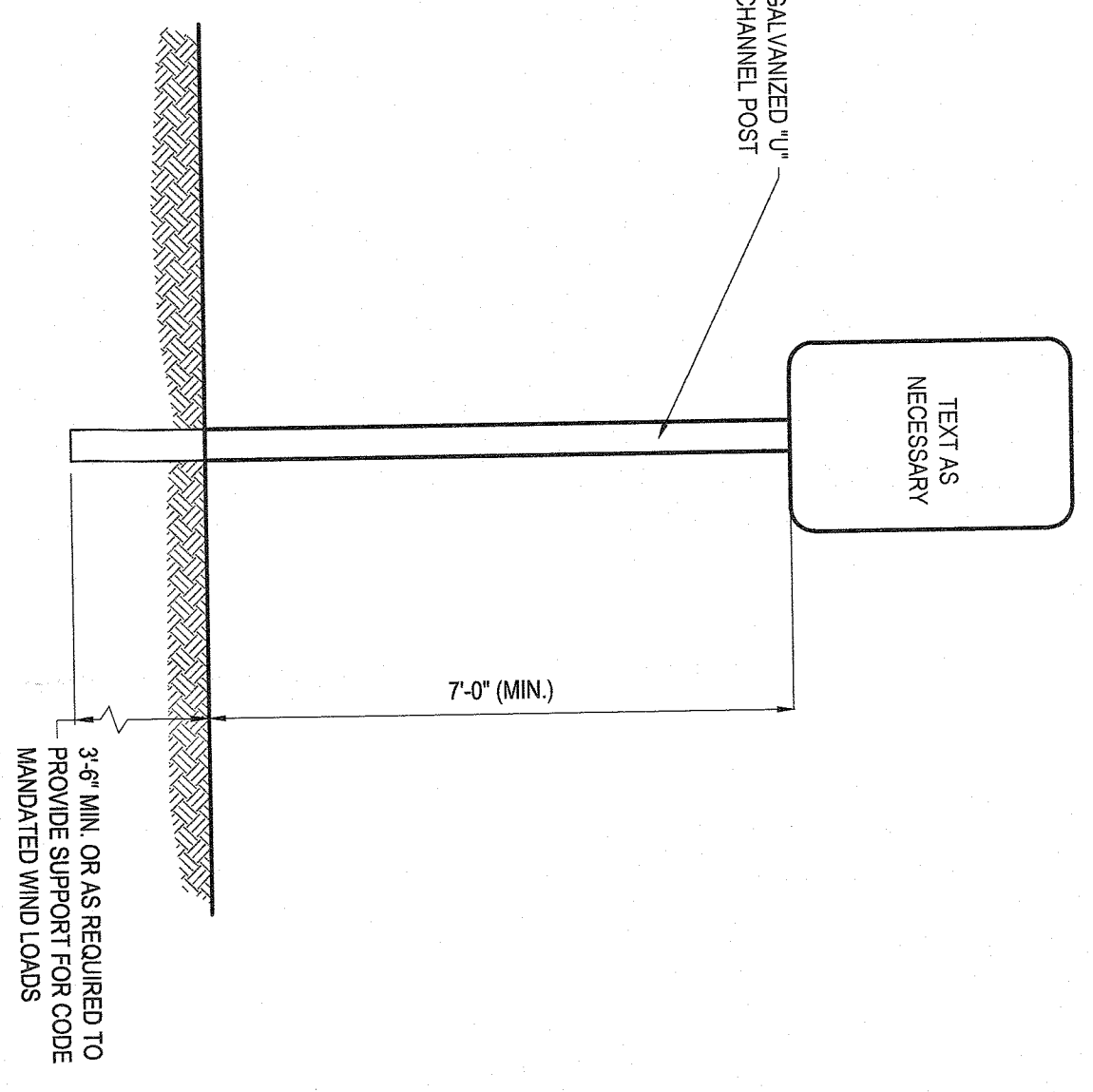
BOHLER ENGINEERING
2928 EXPRESSWAY DRIVE NORTH
HAUPPAUGE, NY 11749
Phone: (631) 728-7200
www.BohlerEngineering.com

KRISTINA DIAMANTIS
PROFESSIONAL ENGINEER
NEW YORK LICENSE NO. 13113

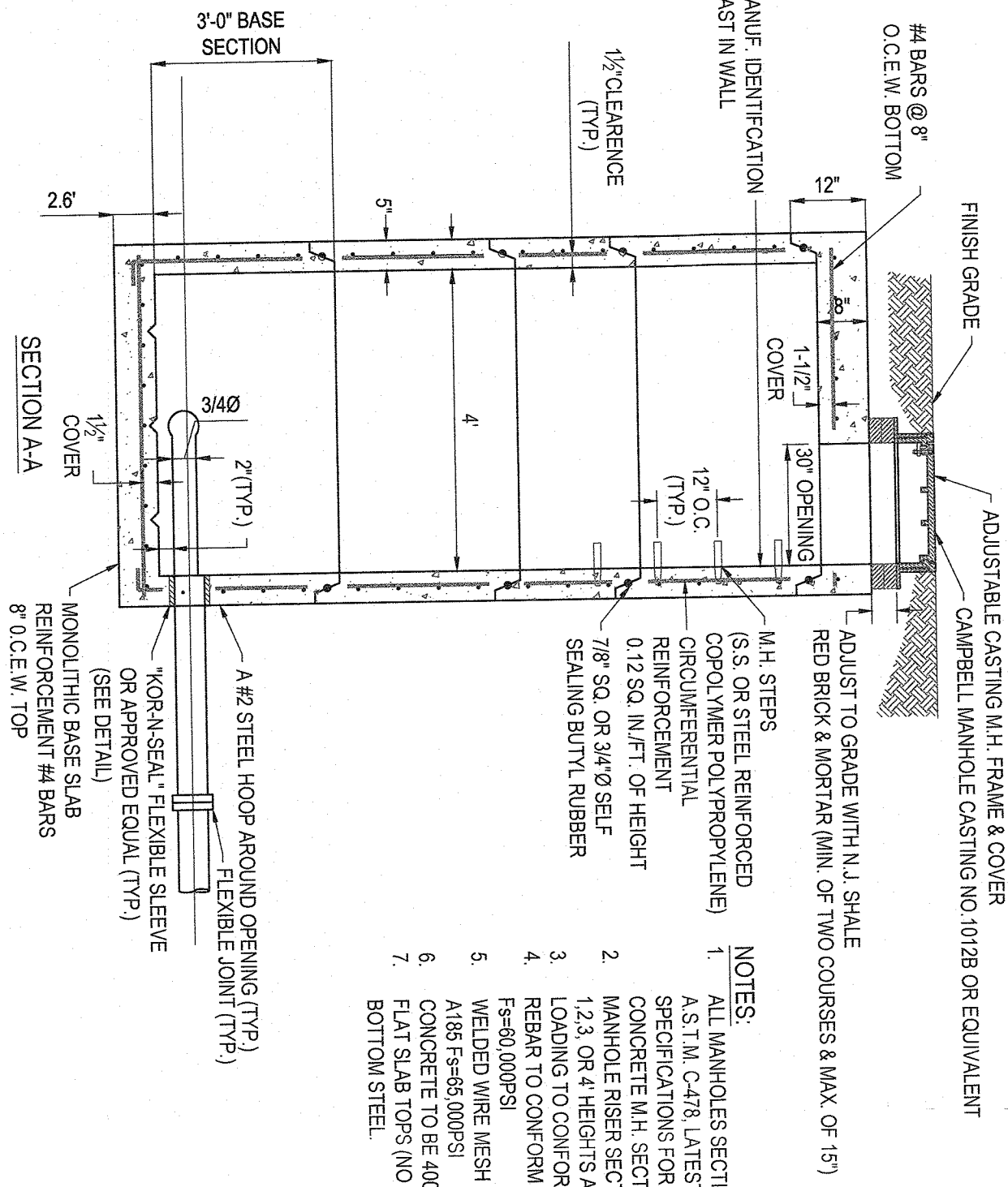
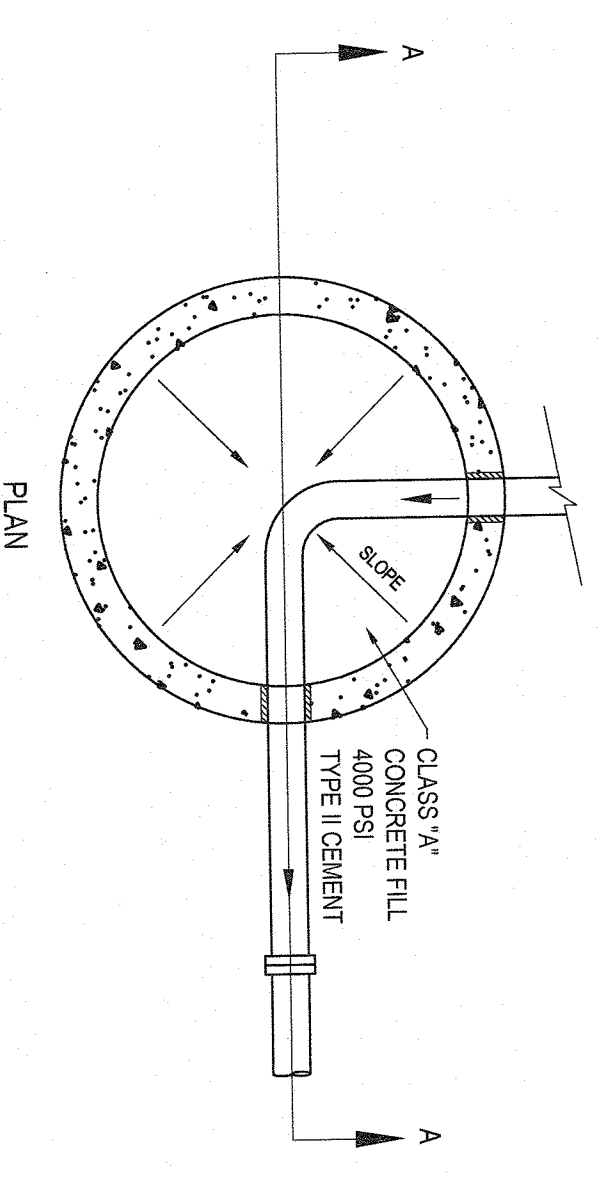
C-23
SHEET NUMBER OF 25
REVISION 7 - 12/20/21 (11/20/22)



NOTES:
 1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LOCAL COPIES AND AS SPECIFIED MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 2. MOUNTING LOCATION FROM EDGE OF CURBED ISLANDS SHALL BE NOT LESS THAN 18". MOUNTING LOCATION FROM EDGE OF PAINTED ISLANDS SHALL BE NOT LESS THAN 35".



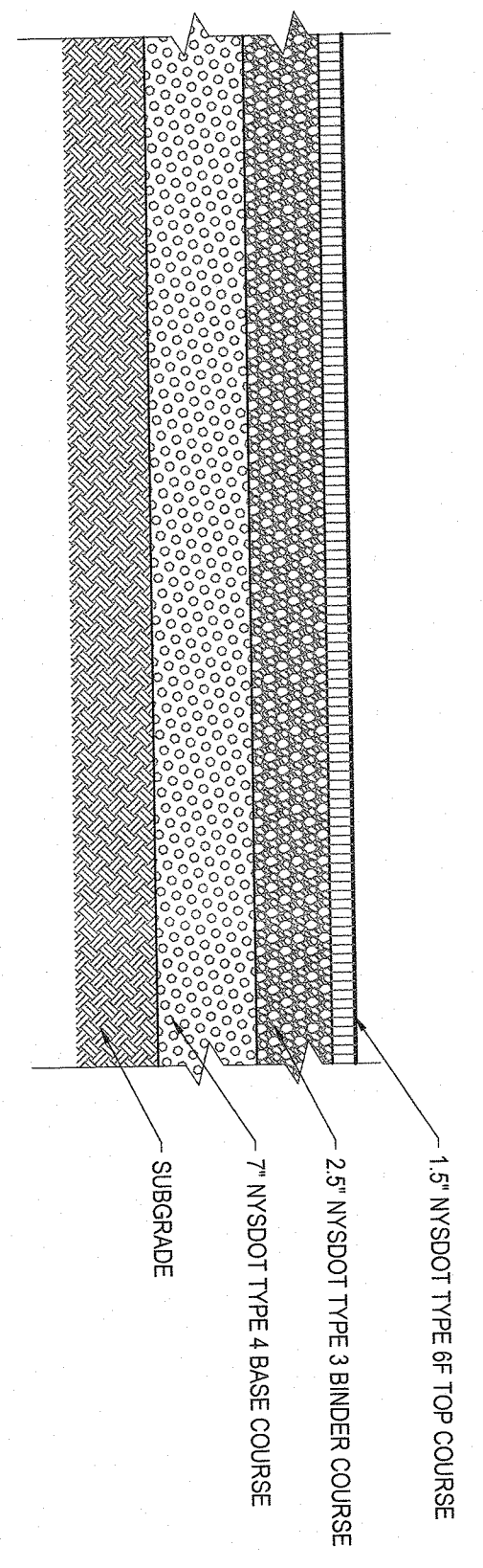
18 SIGN DETAIL N.T.S.



NOTES:
 1. MANHOLES SHALL CONFORM TO ALL CITY, STATE AND FEDERAL REQUIREMENTS FOR PRECAST REINFORCED CONCRETE MANHOLES.
 2. MANHOLE RISE SECTION TO BE FURNISHED IN 12.3 OR 4 HEIGHTS AS REQUIRED.
 3. LOAD TO CONFORM TO ASTM A-913-90.
 4. REBAR TO BE MESH TO CONFORM TO A.S.T.M. A665 F5465 (000)SI.
 5. CONCRETE TO BE 4000PSI @ 28 DAYS.
 6. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.
 7. JOINT SEALANT TO BE 1\"/>

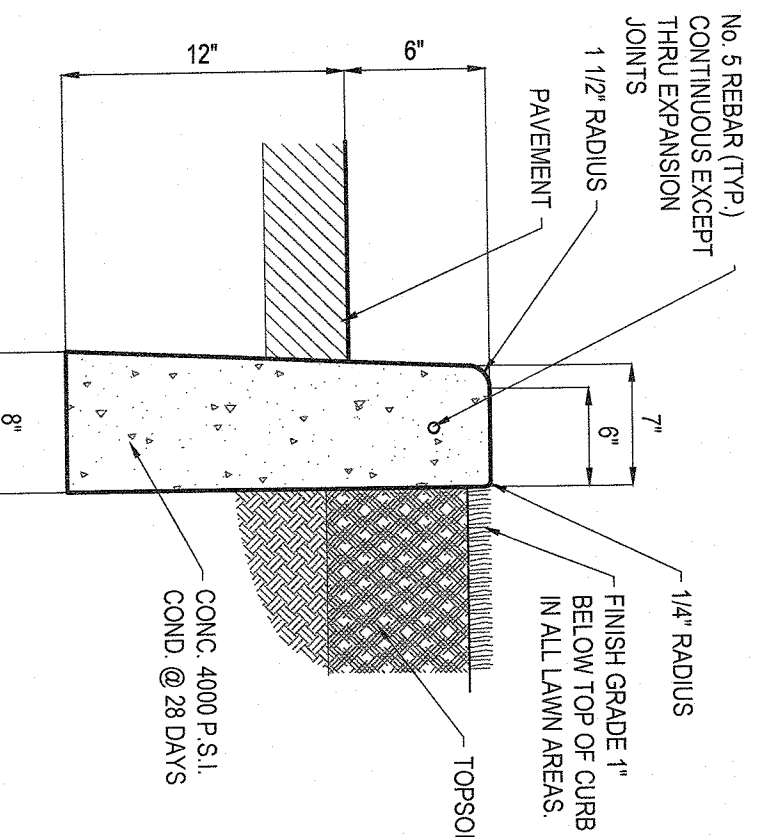
19 4-0" DIAMETER SANITARY MANHOLE N.T.S.

THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON FROM ENGAGING IN THESE PRACTICES UNLESS HE OR SHE IS A LICENSED PROFESSIONAL ENGINEER. WHERE SUCH ALLEGATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN AND DATE THE DRAWINGS AND/OR SPECIFICATIONS. (NYS EDUCATION LAW SECTION 2209.2)



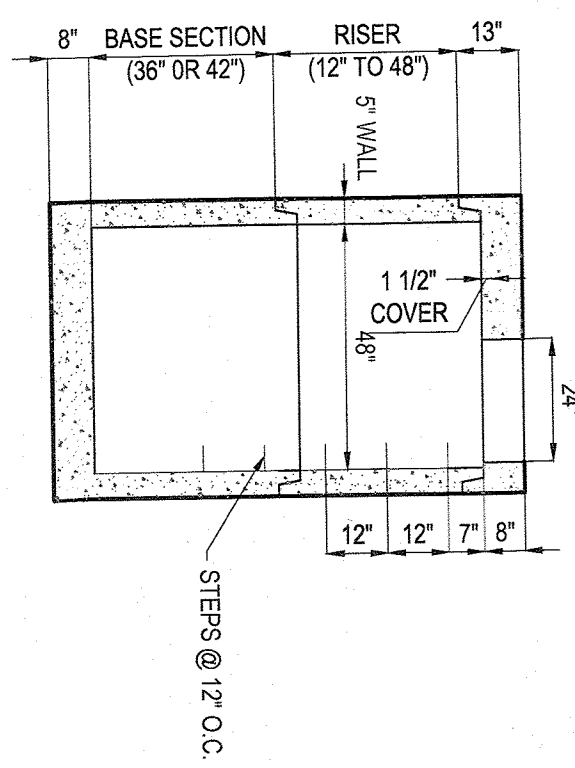
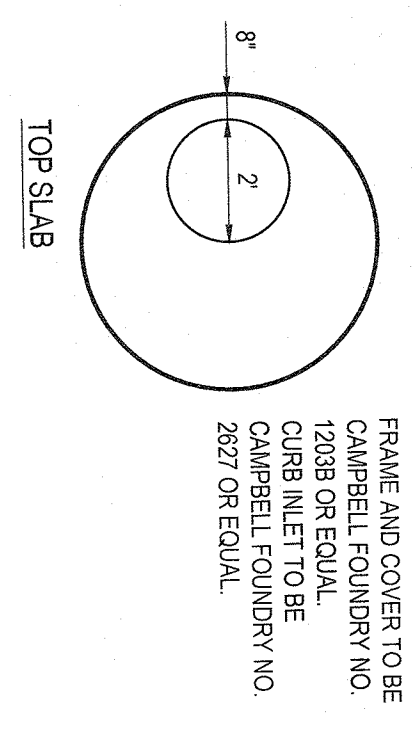
(REFERENCES GEOTECH REPORT PREPARED BY WHITESTONE ASSOCIATES INC. DATED: 8/30/2019)

20 ASPHALT PAVEMENT SECTION (ON-SITE) N.T.S.



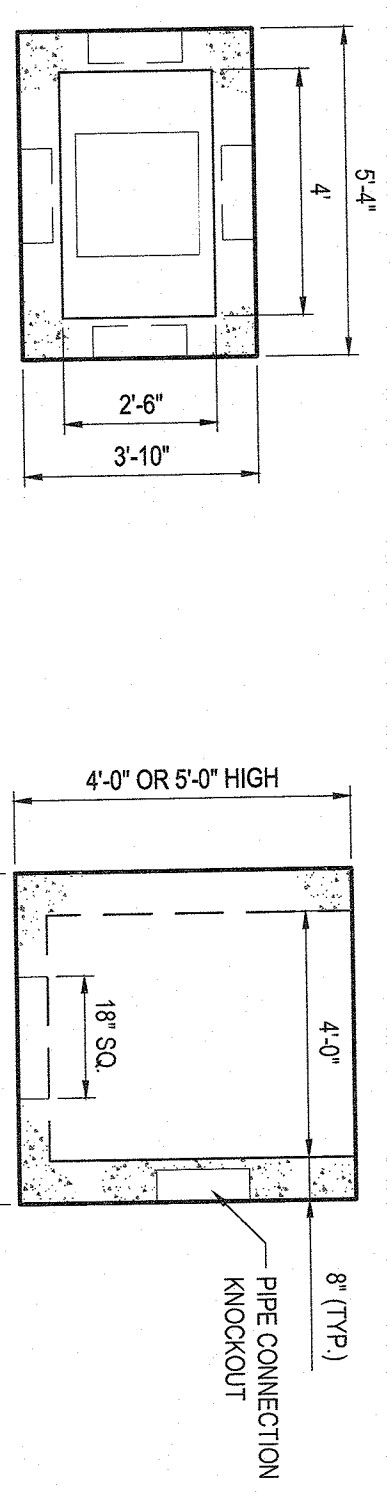
NOTES:
 1. ANY EXCAVATION BELOW DESIRED GRADE DUE TO OVER EXCAVATION OR WET SOIL CONDITIONS SHALL BE BACKFILLED WITH 3/4\"/>

21 CONCRETE CURB DETAIL (ON-SITE) N.T.S.



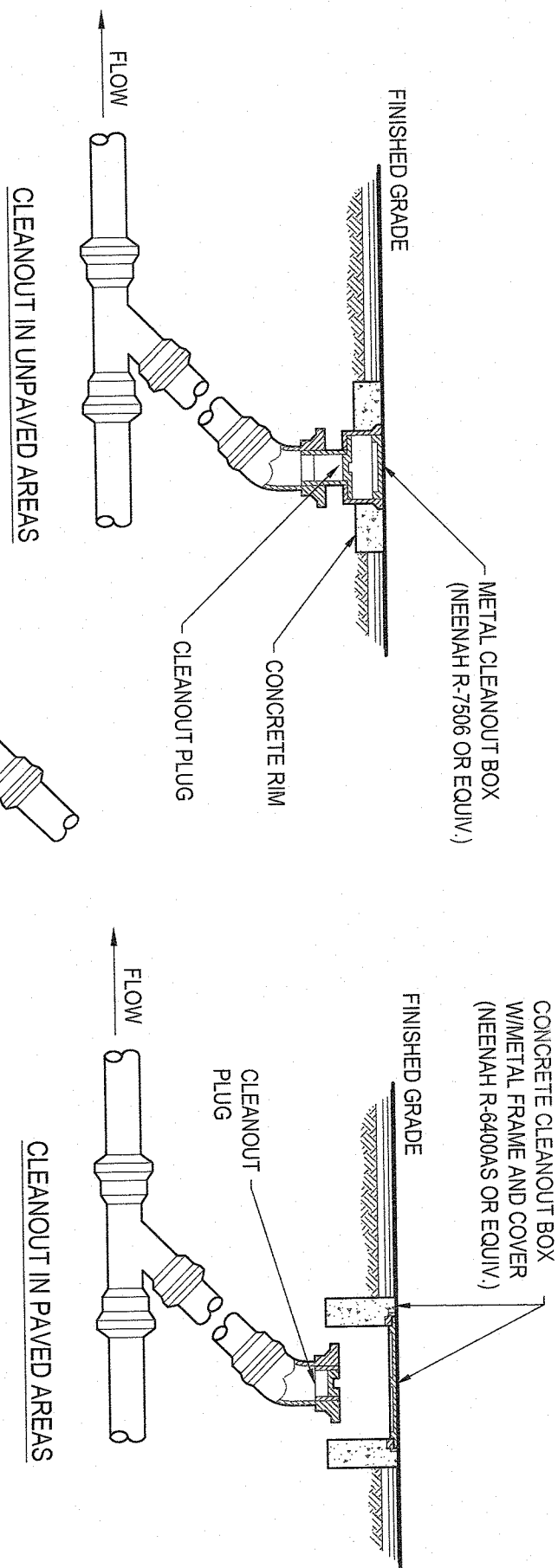
NOTES:
 1. MANHOLE TO BE IN ACCORDANCE WITH ASTM C1278 STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS AND ASHTO H-20 TRAFFIC LOADING.
 2. CONCRETE 4000 PSI @ 28 DAYS.
 3. JOINT SEALANT TO BE 1\"/>

22 4-0" DIAMETER PRECAST STORM MANHOLE N.T.S.



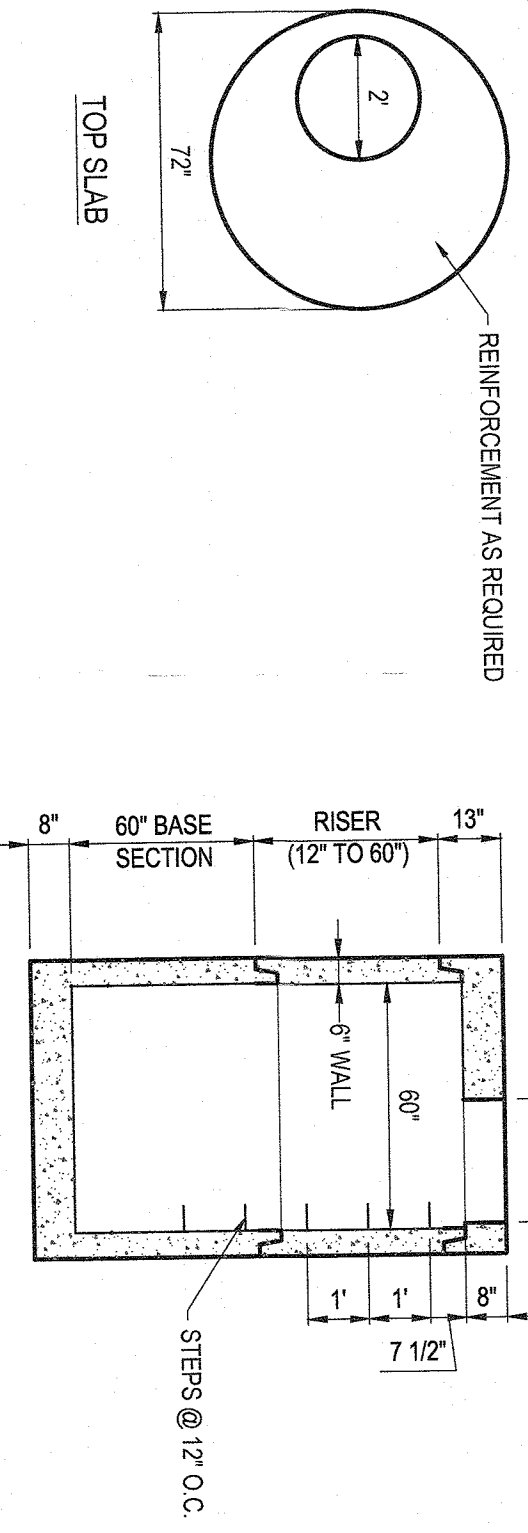
NOTES:
 1. CONCRETE 4000 PSI @ 28 DAYS.
 2. REINFORCEMENT AS REQUIRED FOR ASHTO H-20 LOADING.

23 2-6" X 4-0" CATCH BASIN N.T.S.



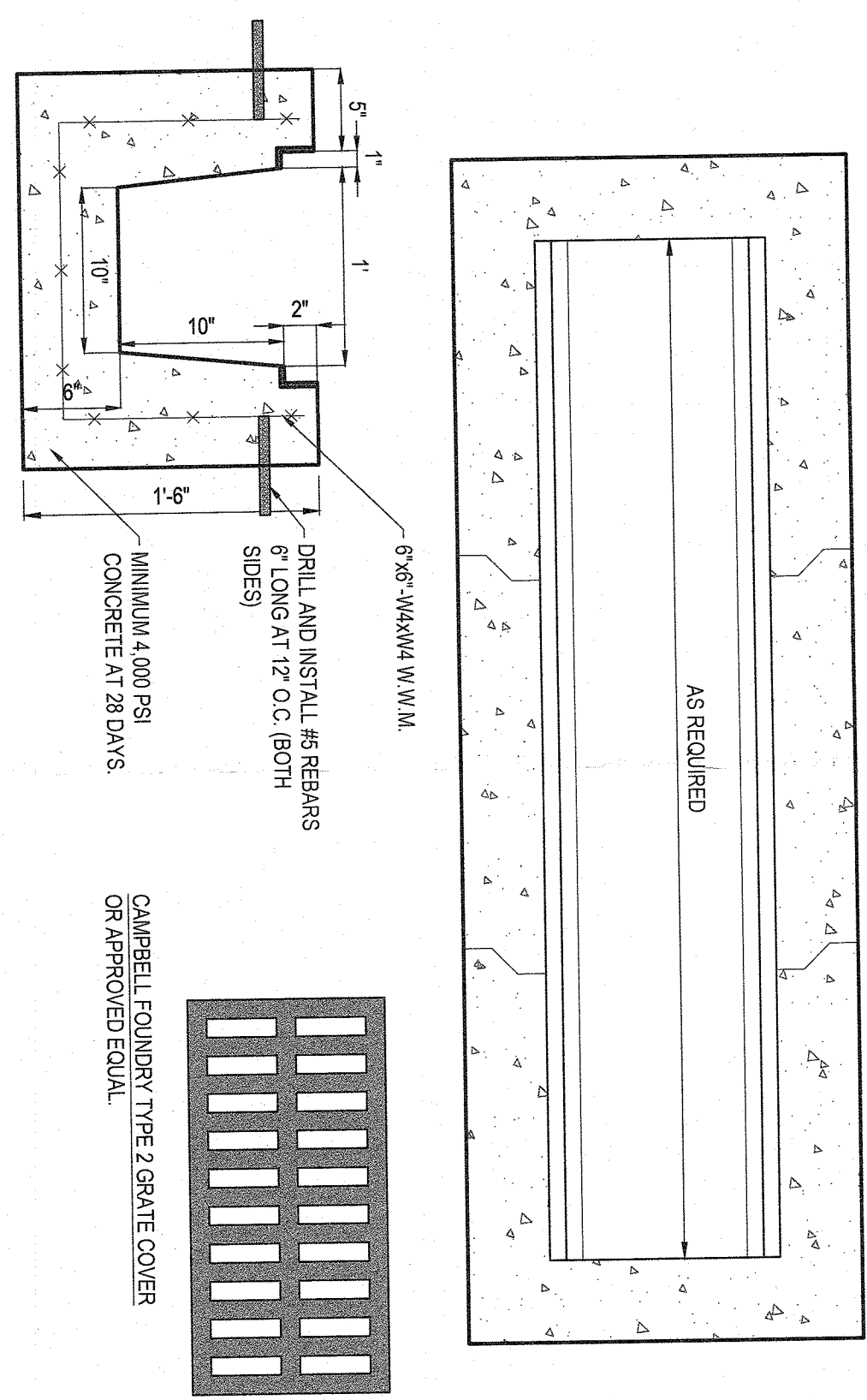
NOTE:
 G.C.I.S TO INSTALL CLEANOUT AT ALL PIPING ANGLE CHANGES GREATER THAN 22.5° AND AT EVERY 75' IN PIPING RUNS GREATER THAN 75' IN LENGTH FOR SANITARY. IF PIPE IS 8"Ø A.M.H IS REQ'D AT EVERY 300'.

24 EXTERIOR CLEANOUT DETAILS N.T.S.



NOTES:
 1. MANHOLE TO BE IN ACCORDANCE WITH ASTM C1278 STANDARD SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS AND ASHTO H-20 TRAFFIC LOADING.
 2. CONCRETE 4000 PSI @ 28 DAYS.
 3. JOINT SEALANT TO BE 1\"/>

25 5-0" DIAMETER PRECAST STORM MANHOLE N.T.S.



26 TRENCH DRAIN DETAIL N.T.S.

REV#	DATE	COMMENT	BY	CHKD BY
1	12/4/2019	INITIAL TOWN SUBMISSION	BP	KD
2	12/10/2019	CLIENT COMMENTS	BP	KD
3	2/17/2020	TOWN SITE PLAN APPROVAL	BP	KD
4	6/9/2020	TOWN COMMENTS	BP	KD
5	8/4/2020	UPDATED PARKING	BP	KD
6	9/10/20	SELETT COMMENTS	BP	KD
7	1/20/2021	TOWN SUBMISSION	BP	KD

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 TRANSPORTATION SERVICES

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 800-962-7962
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SITE DEVELOPMENT PLANS
 FOR
LIDL U.S. OPERATIONS, LLC
 PROPOSED GROCERY STORE #1456
 3-68 NYS ROUTE 303
 TOWN OF ORANGETOWN
 ROCKLAND COUNTY, NY 10983
 SECTION 77.15 BLOCK 1
 LOTS 53-57 & 41

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 PROFESSIONAL ENGINEER
 No. 13527

DETAIL SHEET II
 SHEET NUMBER: **C-24**
 OF 25
 REVISION 7 - 1/20/2021

