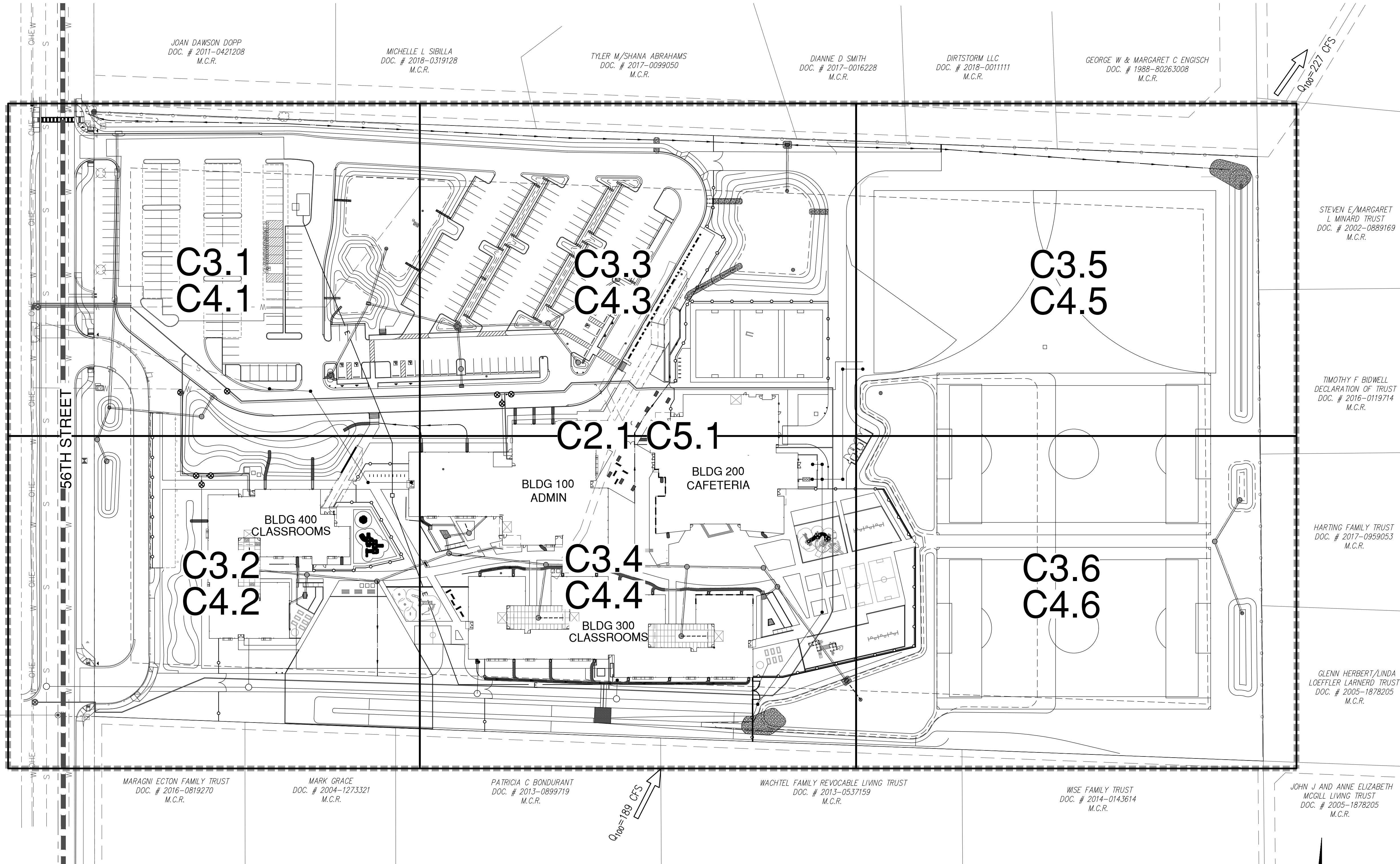


P:\050641 - CHEROKEE ELEMENTARY SCHOOL\ENGINEERING\ENGINEERING PLANS\IMPROVEMENT PLANS\050641-CP-C1.1-COV.DWG 2/28/2020 11:18 AM

LEGEND

| | |
|-------------|--|
| --- | PHASE LINE |
| --- | CENTER LINE |
| --- | EASEMENT |
| --- | RIGHT-OF-WAY |
| ● | SURVEY MARKER |
| --- | 8"W WATER LINE |
| ⊗ | FIRE HYDRANT |
| ⊗ | WATER VALVE |
| ⊗ | WATER METER BOX |
| --- | 8"S SEWER LINE |
| ○ | SEWER MANHOLE |
| --- | STORM DRAIN PIPE |
| --- | FLOW LINE |
| --- | VERTICAL CURB & GUTTER |
| --- | EXISTING CONTOUR ELEVATION |
| --- | PROPOSED CONTOUR ELEVATION |
| EG=+(21.20) | EXISTING AND PROPOSED GRADE |
| --- | EXISTING WATER LINE |
| --- | EXISTING SEWER LINE |
| --- | EXISTING GAS LINE |
| --- | EXISTING UNDER GROUND ELECTRIC |
| --- | EXISTING OVER HEAD ELECTRIC |
| --- | EXISTING UNDER GROUND TELECOMMUNICATIONS |
| R/W | RIGHT-OF-WAY |
| PUE | PUBLIC UTILITIES EASEMENT |
| CL | CENTER LINE |
| B/C | BACK OF CURB |
| TC | TOP OF CURB |
| G | GUTTER |
| EOP | EDGE OF PAVEMENT |
| INV | INVERT ELEVATION |
| EX | EXISTING |
| FF | FINISHED FLOOR ELEVATION |
| FP | FINISHED PAD ELEVATION |
| OHE | OVER HEAD ELECTRIC |
| UGE | UNDERGROUND ELECTRIC |
| TELE | TELECOMMUNICATIONS LINE |
| FG | FINISHED GRADE |
| EG | EXISTING GRADE |
| UGT | UNDER GROUND TELECOMMUNICATIONS |
| TSW | TOP OF STEM WALL |



NOTE:

ALL NATIVE PLANTS IMPACTED BY CONSTRUCTION SHALL BE RELOCATED ON SITE. SEE LANDSCAPE PLANS AND NATIVE PLANT INVENTORY & SALVAGE.

MARICOPA COUNTY AIR QUALITY DEPARTMENT DUST CONTROL PERMIT NUMBER

ISSUED TO:
PERMIT NUMBER:
ISSUE DATE:
EXPIRATION DATE:

MCESD APPROVAL

MARICOPA COUNTY
ENVIRONMENTAL SERVICES DEPARTMENT
WWR-19-00661

DATE

THIS SET OF CONSTRUCTION PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES FOR REVIEW AND TO DETERMINE ANY POTENTIAL CONFLICTS.

| UTILITY COMPANY | COMPANY CONTACT | DATE SUBMITTED |
|---------------------------|----------------------------------|----------------|
| SOUTHWEST GAS CORPORATION | HOPE OLGIN - 480.730.3845 | 09.30.19 |
| COX COMMUNICATIONS | KEN DEGRAFFENREID - 623.328.3423 | 09.30.19 |
| ARIZONA PUBLIC SERVICE | CYNTHIA KEE - 602.371.7667 | 09.30.19 |
| CENTURY LINK | ESTHER MEDINA - 480.768.4474 | 09.30.19 |
| CITY OF PHOENIX WATER | | 09.30.19 |

CONTRACTOR SHALL COORDINATE
WORK WITHIN RIGHT-OF-WAY
WITH CITY OF PHOENIX 16"
WATER MAIN PROJECT

SHEET INDEX

| SHEET # | SHEET ID | SHEET TITLE |
|---------|-----------|---------------------------------|
| 01 | C1.1 | COVER SHEET |
| 02 | C1.2 | GENERAL NOTES AND DETAILS SHEET |
| 03 | C1.3 | GENERAL DETAILS SHEET |
| 04 | C2.1 | DEMOLITION PLAN |
| 05-10 | C3.1-C3.6 | PAVING PLAN |
| 11 | C3.7 | STORM DRAIN PROFILES |
| 12-17 | C4.1-C4.6 | GRADING AND DRAINAGE PLAN |
| 18 | C4.7 | GRADING SECTIONS SHEET |
| 19 | C4.8 | GRADING DETAILS SHEET |
| 20 | C5.1 | UTILITY PLAN |
| 21 | C5.2 | SEWER PROFILES SHEET |

EARTHWORK

CUT= 14,544 cu. yd.
FILL= 13,089 cu. yd.

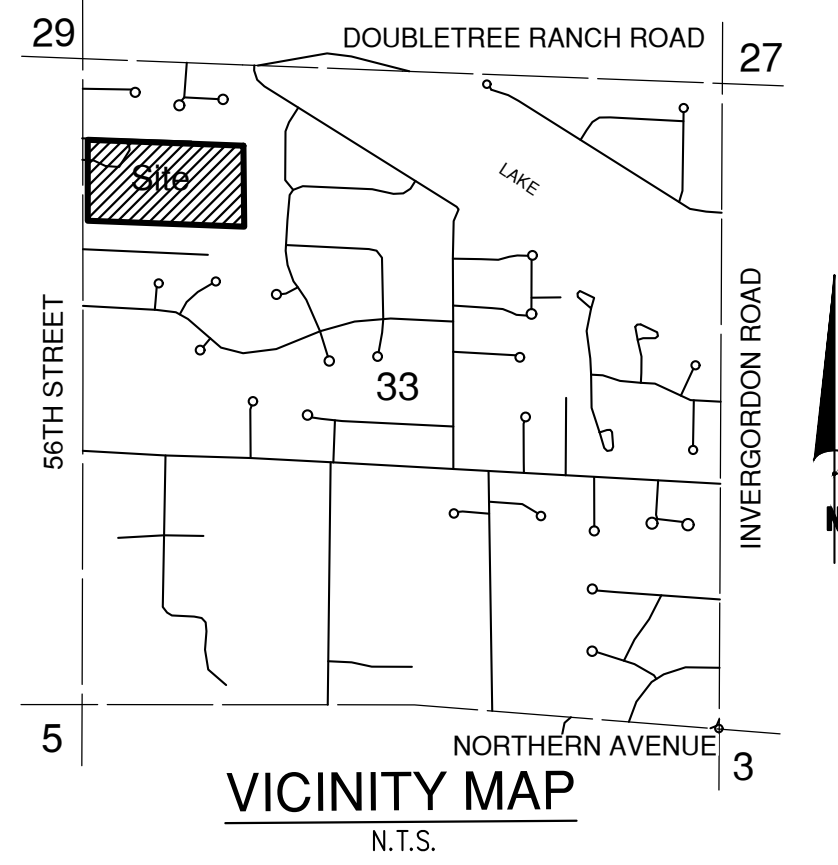
NOTE: ENGINEER'S ESTIMATED EARTHWORK QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL PERFORM HIS/HER OWN QUANTITY TAKEOFF FOR BIDDING PURPOSES.

RETENTION CALCULATIONS

| BASIN ID | DRAINAGE AREA (AC) | WEIGHTED RUNOFF COEFFICIENT | RAINFALL DEPTH (FT) | VOLUME REQUIRED (AC-FT) | VOLUME PROVIDED (AC-FT) | DESIGN STORM |
|----------|--------------------|-----------------------------|---------------------|-------------------------|-------------------------|--------------|
| A | 1.71 | 0.80 | 0.0417 | 0.06 AC-FT | 0.07 AC-FT | FIRST FLUSH |
| B | 1.42 | 0.77 | 0.185 | 0.20 AC-FT | 0.26 AC-FT | 100YR 2HR |
| C | 0.42 | 0.64 | 0.185 | 0.05 AC-FT | 0.06 AC-FT | 100YR 2HR |
| D | 6.67 | 0.57 | 0.185 | 0.70 AC-FT | 0.79 AC-FT | 100YR 2HR |
| E | 1.10 | 0.31 | 0.185 | 0.06 AC-FT | 0.09 AC-FT | 100YR 2HR |
| F | 0.57 | 0.31 | 0.185 | 0.03 AC-FT | 0.04 AC-FT | 100YR 2HR |
| G | 2.28 | 0.63 | 0.185 | 0.33 AC-FT | 0.78 AC-FT | 100YR 2HR |
| H | 2.21 | 0.81 | 0.185 | 0.34 AC-FT | 0.56 AC-FT | 100YR 2HR |
| I | 2.94 | 0.31 | 0.185 | 0.17 AC-FT | 0.17 AC-FT | 100YR 2HR |

CHEROKEE ELEMENTARY SCHOOL IMPROVEMENT PLANS PARADISE VALLEY, ARIZONA

A PORTION OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 3 NORTH, RANGE 4 EAST
OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA



OWNER

SCOTTSDALE UNIFIED SCHOOL DISTRICT.
9288 E. SAN SALVADOR DRIVE
SCOTTSDALE, ARIZONA 85258
CONTACT: DENISS ROEHLER
PHONE: 480.484.8503

ARCHITECT

ORCUTT WINSLOW
2929 N CENTRAL AVENUE
PHOENIX, ARIZONA 85012
PHONE: 602.257.1764
CONTACT:
EMAIL:

CIVIL ENGINEER

BOWMAN CONSULTING
1235 W WASHINGTON ST
SUITE 108
TEMPE, AZ 85281
PHONE: 480.629.8830
ENGINEER: DAVID MALDONADO-CAMOU
E-MAIL: dmaldonado@bowmanconsulting.com

BENCHMARK

BRASS IN HANDHOLE FLUSH AT THE INTERSECTION OF DOUBLETREE RANCH ROAD AND 56TH STREET, TOWN OF PARADISE VALLEY DATUM
ELEVATION = 1339.448 (NAVD88)

BASIS OF BEARING

NORTH 00 DEGREES 02 MINUTES 40 SECONDS EAST ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 3 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, ACCORDING TO PLAT OF DOUBLE TREE RANCHOS AS RECORDED IN BOOK 120 OF MAPS, PAGE 33, M.C.R.

LEGAL DESCRIPTION

THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 3 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY ARIZONA;

EXCEPT THE WEST 40 FEET THEREOF AS CONVEYED TO MARICOPA COUNTY BY GRANT DEED RECORDED IN DOCKET 1269, PAGE 73.

APN: 168-43-003

PROJECT DESCRIPTION

CHEROKEE ELEMENTARY SCHOOL IS A 19.43-ACRE PARCEL OF LAND LOCATED AT 8801 NORTH 56TH STREET IN PARADISE VALLEY, ARIZONA. THE SITE IS ZONED R-43S

SITE DATA

ADDRESS: 8801 NORTH 56TH STREET IN PARADISE VALLEY, AZ 85253.
PARCEL NUMBER: 168-43-003
ZONING CLASSIFICATION: R-43S (PUBLIC SCHOOL)
LOT AREA: 846,420.62sq ft 19.43Ac
CONSTRUCTION YEAR: 1970

FEMA FLOOD ZONE INFORMATION

| COMMUNITY NUMBER | PANEL # | SUFFIX | DATE OF FIRM (INDEX DATE) | FIRM ZONE | BASE FLOOD ELEV. (IN AO ZONE, USE DEPTH) |
|------------------|------------|--------|---------------------------|-----------|--|
| 040049 | 04013C1755 | L | 01/24/2019 | X | N/A |
| | 10/16/2013 | | | | |

DRAINAGE STATEMENT

- THE ULTIMATE STORM WATER OUTFALL IS LOCATED IN THE NORTHEAST CORNER OF THE LOT WITH AN ELEVATION OF 1337.00
- THE PROPOSED DEVELOPMENT DOES NOT IMPACT DRAINAGE CONDITIONS OF THE ADJOINING LOTS.
- THE SITE CURRENTLY PROVIDES MINIMAL RETENTION. ALL ONSITE STORMWATER RUNOFF UP TO THE 100-YEAR 2-HOUR STORM WILL BE RETAINED IN PROPOSED ONSITE RETENTION BASINS.
- FIRST FLUSH RETENTION IS PROVIDED FOR AREAS THAT CURRENTLY DRAIN TO 56TH STREET.
- ALL OFFSITE STORMWATER RUNOFF WILL BE ROUTED THROUGH THE SITE VIA A PROPOSED CHANNEL AND DISCHARGE AT THE SITE OUTFALL, FOLLOWING THE PRE-DEVELOPMENT DRAINAGE PATTERNS.
- THE LOWEST FINISH FLOOR ELEVATION OF 1343.83, IS A MINIMUM OF 1' ABOVE THE ADJACENT 100 YEAR WATER SURFACE AND ELEVATION

FINISH FLOOR CERTIFICATION

I HEREBY CERTIFY THAT THE FINISH FLOOR ELEVATION OF 1343.83 IS 1 FOOT ABOVE THE 100 YEAR, 2 HOUR STORM EVENT.

REGISTERED ENGINEER

01.05.20

DATE

APPROVAL

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH TOWN OF PARADISE VALLEY REQUIREMENTS PRIOR TO ISSUANCE OF PERMIT. THE TOWN NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE TOWN ENGINEER FROM REQUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN THE PLANS TO BE FOUND IN VIOLATION OF LAWS OR ORDINANCES.

TOWN OF PARADISE VALLEY

DATE

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER/LAND SURVEYOR

DATE

REGISTRATION NO.



orcutt winslow

2929 n central ave
eleventh floor
phoenix arizona 85012
oneil.l@owp.com
602.257.1764
602.257.9029
www.owp.com



Scottsdale Unified School District Cherokee Elementary School Replacement 8801 N 56th Street, Paradise Valley, AZ 85253

CLIENT CONTACT

Dennis Roehler
9288 E. San Salvador Dr.
Scottsdale, AZ 85258
480.484.8503

PROJECT NO.

050641-01-001

REVISION NO.

DATE

12.10.19

03.25.20

05.15.20

07.15.20

10.09.20

01.12.21

PROJECT TEAM

BOWMAN

LGR

PERMIT SET

SHEET CONTENTS

COVER SHEET

SHEET NO.

C1.1

SHT 01 OF 23

BOWMAN GENERAL NOTES

1. THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON THEMSELVES THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THE SAME WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.
2. THE ESTIMATED QUANTITIES SHOWN ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETENESS AND ACCURACY OF A DETAILED ESTIMATE BASED ON THESE PLANS, CURRENT CODES, AND SITE VISITATION.
3. ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAILS AND/OR SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO, AND ALL ADDENDA. THE CONTRACTOR IS TO FOLLOW THE RECOMMENDATION OF THE PROJECT SOIL INVESTIGATION REPORT AND LETTER.
4. PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL THOROUGHLY SATISFY THEMSELVES AS TO THE ACTUAL CONDITIONS, REQUIREMENTS OF THE WORK AND EXCESS OR DEFICIENCY IN QUANTITIES. NO CLAIMS WILL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
5. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF UTILITIES, POWER POLES, ETC.
7. THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER OR OTHER SURFACE CONSTRUCTION. ANY DAMAGING LOCATIONS, ELEVATIONS, CONDITIONS, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THIS PROCEDURE IS NOT FOLLOWED.
8. EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED ACCORDING TO INFORMATION PROVIDED BY THE AGENCY OPERATING EACH UTILITY. LOCATIONS SHOWN ARE APPROXIMATE ONLY, AND SHOULD BE CONSIDERED APPROXIMATE. CALL ARIZONA BLUE STAKE FOR FIELD LOCATION AT 8-1-1 OR 1-800-STAKE-IT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES ON THE SITE NOTING NOTED FOR RELOCATION OR REMOVAL. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE DRAWING, SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. EXISTING SURFACE FEATURES AND FENCING OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REPLACED IN KIND IF DISTURBED.
9. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION, OR VARIANCE FROM THESE PLANS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
10. ANY INSPECTION BY THE CITY, COUNTY, ENGINEER, OR OTHER JURISDICTIONAL AGENCY, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UNDERGROUND FACILITIES FROM DAMAGE DURING CONSTRUCTION. THE DEPTH OF COVER IS DESIGNED FOR FINAL GRADE. THEREFORE, EXTRA CARE SUCH AS BURNING OVER PIPES, FLAGGING OR SIGNAGE SHOULD BE USED DURING CONSTRUCTION TO MAINTAIN COVER OR PROTECT THE UNDERGROUND FACILITIES. THE ENGINEER MAKES NO REPRESENTATION OR QUANTITIES, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER. EARTHWORK QUANTITIES SHOWN ARE RAN, AND DO NOT INCLUDE A GRADING AND DRAINAGE PERMIT.
12. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING PIPE AT PROPOSED CONNECTIONS PRIOR TO NEW PIPE INSTALLATION. NOTIFY ENGINEER IMMEDIATELY OF CONFLICTS OR DISCREPANCIES FROM THE PLANS.
14. CONTRACTOR TO COMPLY WITH ALL ADA REQUIREMENTS RELATING TO CONSTRUCTION.

GENERAL NOTES

1. A GRADING PERMIT IS REQUIRED UNDER 2015 IRC SEC. 105.1.
2. HAUL PERMITS, WHEN REQUIRED, MUST BE OBTAINED PRIOR TO OR CONCURRENTLY WITH THE GRADING AND DRAINAGE PERMIT.
3. EXCAVATING CONTRACTOR MUST GIVE LOCATION FOR WASTING EXCESS EXCAVATION AND A LETTER FROM OWNER GIVING PERMISSION FOR DUMPING PRIOR TO STARTING ONSITE CONSTRUCTION. IF EXCESS EXCAVATION EXCEEDS 100 CUBIC YARDS, THE DUMPING SITE WILL ALSO REQUIRE A GRADING AND DRAINAGE PERMIT.
4. TOWN ENGINEER'S OFFICE SHALL BE NOTIFIED BEFORE ANY ONSITE CONSTRUCTION BEGINS, TELEPHONE (480) 948-7411.
5. CERTIFICATION OF FINISH FLOORS OR BUILDING PADS IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS ENGINEER AND SHALL BE SUBMITTED PRIOR TO A REQUEST FOR CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION. A SEPARATE PERMIT IS NECESSARY FOR ANY OFF-SITE CONSTRUCTION.
6. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLANS MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
7. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES THE CONSTRUCTION OF ALL SURFACE IMPROVEMENTS SHOWN ON THE APPROVED GRADING, AND DRAINAGE PLAN, INCLUDING, BUT NOT LIMITED TO, RETENTION AREAS AND/OR OTHER DRAINAGE FACILITIES, DRAINAGE PATTERNS, WALLS, CURBS, ASPHALT PAVEMENT AND BUILDING FLOOR ELEVATIONS.
9. CONTRACTOR SHALL PROVIDE LEVEL BOTTOM IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. RETENTION BASINS SIDE SLOPES SHALL NOT EXCEED 2:1 ON PRIVATE PROPERTY UNLESS NOTED OTHERWISE ON THE PLANS.
10. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTHS OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED AS PER PLAN BECAUSE OF CONFLICT WITH UNDERGROUND UTILITIES THE CONTRACTOR SHOULD REQUEST MODIFICATION OF BASIN CONFIGURATION BY SUBMITTAL OF A PROPOSED PLAN REVISION.
11. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPT DITCHES, PIPES, PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT BUILDINGS OR PROPERTY FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
12. SOILS COMPACTION TEST RESULTS MUST BE SUBMITTED TO THE TOWN ENGINEER'S OFFICE FOR BUILDING PADS THAT HAVE A ONE FOOT OR MORE OF FILL MATERIAL INDICATED. THIS INFORMATION MUST BE SUPPLIED PRIOR TO REQUEST FOR FINAL INSPECTION.
13. THE DESIGN ENGINEER SHALL INDICATE ALL KNOWN EXISTING UNDERGROUND UTILITIES WITHIN PROPOSED RETENTION AREAS. THE BASIN SHOULD BE DESIGNED TO MAINTAIN A MINIMUM 1' OF COVER UTILITY LINES.
14. CLEARANCE FOR OCCUPATION OF ANY BUILDING IS DENIED UNTIL GRADING AND DRAINAGE IMPROVEMENTS ARE COMPLETED.
15. APPROVAL OF THESE PLANS SHALL NOT PREVENT THE TOWN FROM REQUIRING CORRECTION OF ERRORS, IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
16. SCARRED ROCK SURFACES (CUT AND FILL) ARE TO BE TREATED WITH CHEMICAL COLOR TREATMENT TO BLEND WITH THE NATIVE ROCK SURFACES.
17. NO CERTIFICATE OF OCCUPANCY SHALL BE ISSUED UNTIL ALL HILLSIDE STIPULATIONS AND ALL TOWN CODE REQUIREMENTS ARE COMPLIED WITH INCLUDING, BUT NOT LIMITED TO LANDSCAPING, FIRE FLOW, FIRE SAFETY AND ALL ONSITE AND OFF-SITE IMPROVEMENTS.
18. ALL OUTDOOR LIGHTING SHALL BE IN CONFORMANCE WITH SECTION 2208 OF THE TOWN CODE.
19. ALL EXCESS FILL MATERIAL SHALL BE REMOVED FROM THE SITE WITH NO NEW SPILL SLOPES.
20. THE USE OF HYDRAULIC RAM HAMMERS OR OTHER HEAVY EQUIPMENT USED TO CUT THROUGH ROCK, INCLUDING MACHINERY WITH AUDIO BACK UP WARNING DEVICES SHALL BE LIMITED TO USE BETWEEN THE HOURS OF 7:00AM OR SUNRISE, WHICHEVER IS LATER, AND 6:00PM OR SUNSET, WHICHEVER IS EARLIER, MONDAY THROUGH FRIDAY WITH LIMITED WORK ON SATURDAY AND NO WORK ON SUNDAY OR LEGAL HOLIDAYS. RAM HAMMERS AND OTHER HEAVY EQUIPMENT CANNOT BE USED ON SATURDAYS WITHOUT A WAIVER FROM THE TOWN MANAGER.
21. CONSTRUCTION STAKING AND/OR FENCING SHALL BE PLACED AROUND THE CONSTRUCTION SITE SO AS TO PROTECT THE UNDISTURBED NATURAL AREAS.

NOTES

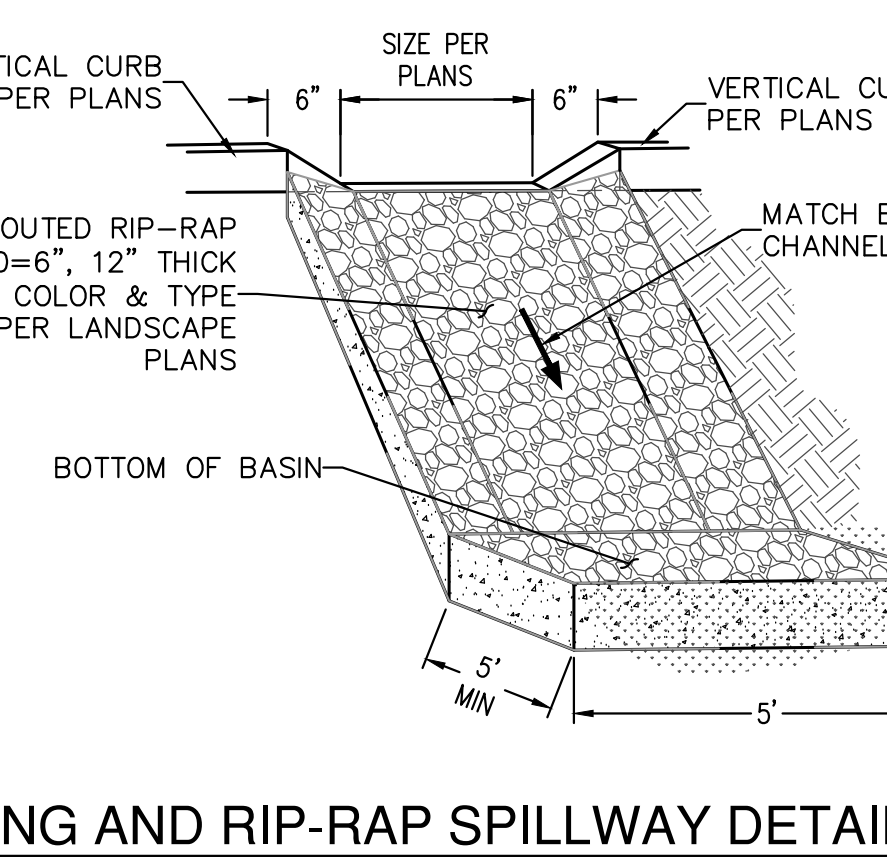
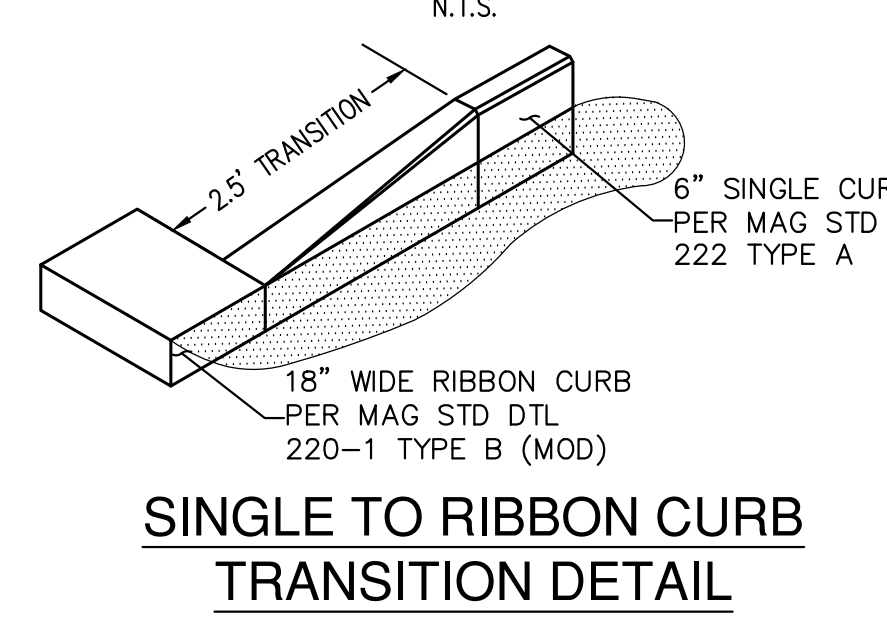
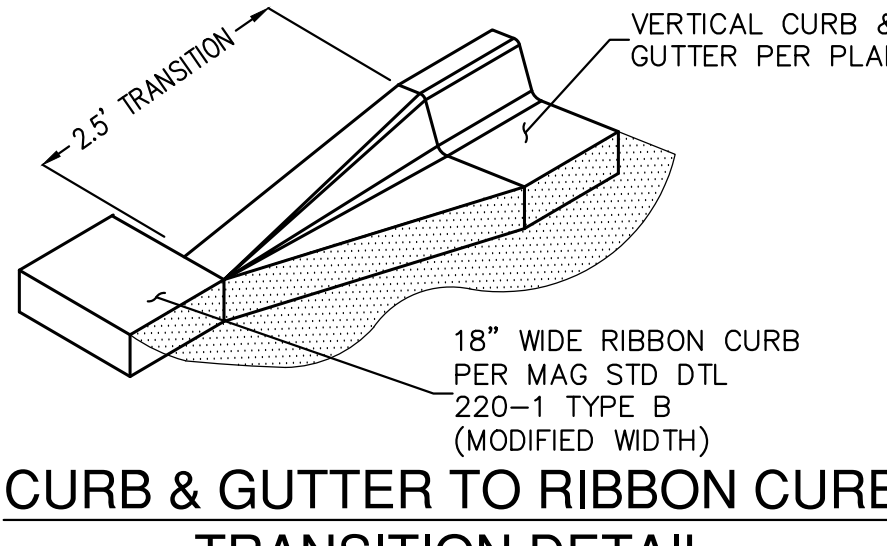
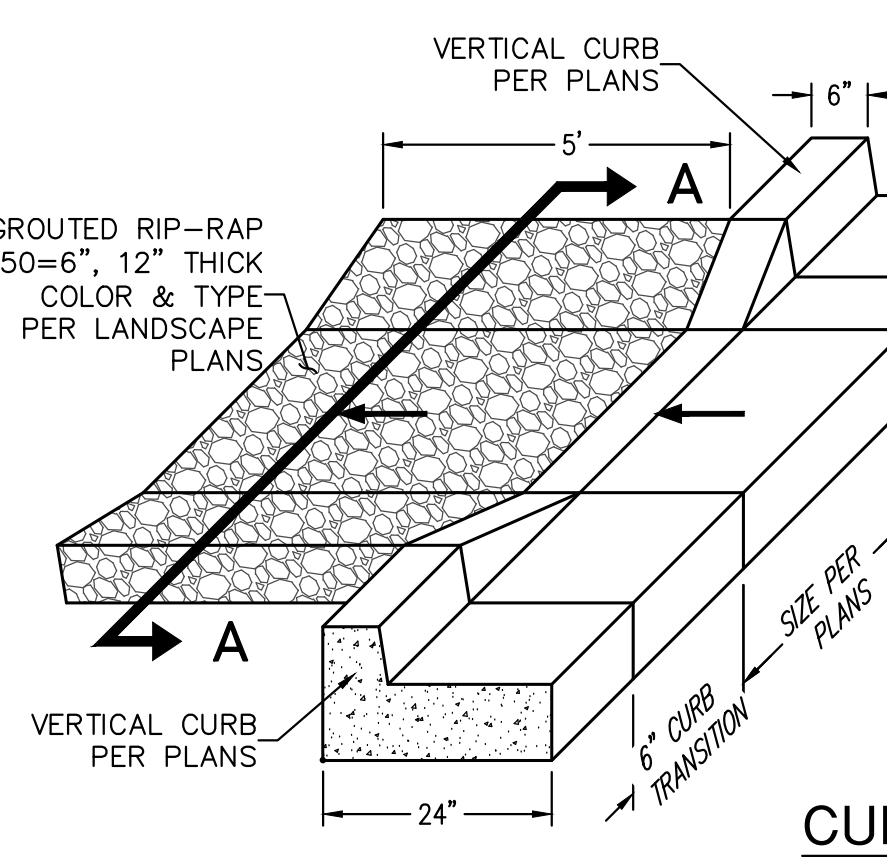
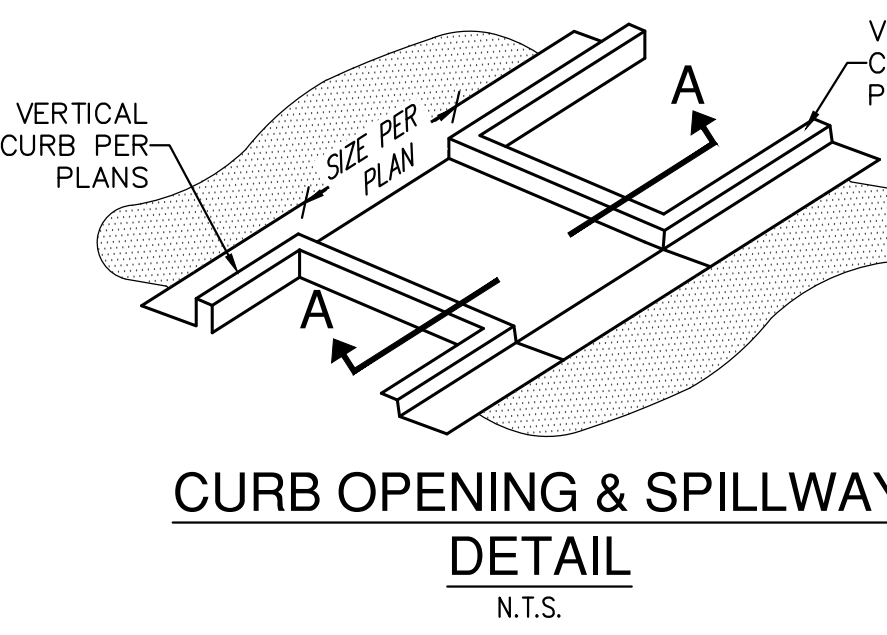
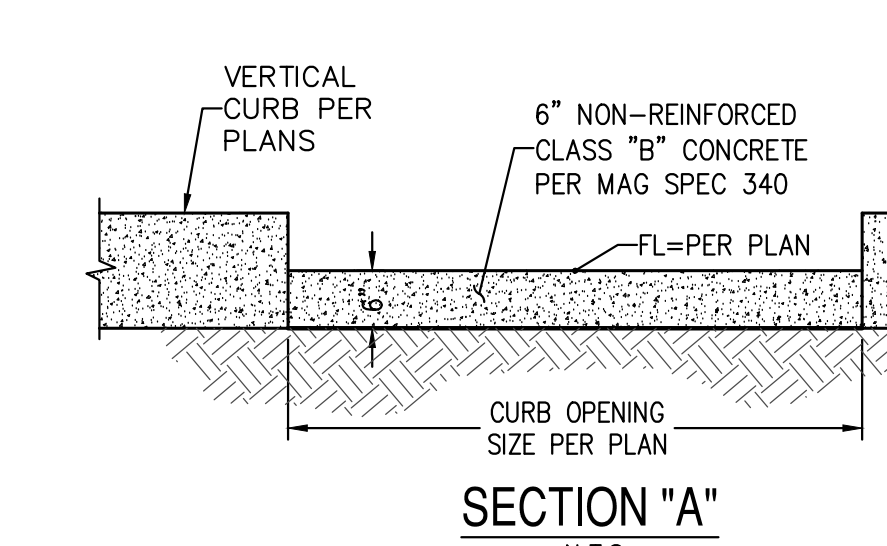
1. GRADING TO BE CONFORMANCE WITH THE 2015 IBC.
2. PRIOR TO THE FIRST FOOTING INSPECTION OF ANY TYPE, ALL PROPERTY PINS SHALL BE PLACED BY A REGISTERED LAND SURVEYOR OF THE STATE OF ARIZONA, AND PROPERTY LINES MUST BE PHYSICALLY IDENTIFIED PRIOR TO INSPECTION.
3. THIS PLAN IS DESIGNED TO SHOW SITE GRADING AND DRAINAGE. CONTRACTOR SHALL USE THE ARCHITECTURAL SITE PLAN FOR FINAL HOUSE, WALL STEP, ETC. DIMENSIONS AND LOCATIONS.
4. WHERE ON SITE LOT GRADING OCCURS, THE TOP OF 4" OF EXCAVATED NATIVE SOIL SHALL REMAIN ON SITE AND SHALL BE REUSED AS A NATURAL SOIL SEED BANK FOR ON SITE FINISH GRADING AND SUPPLEMENTAL SEEDING OF DISTURBED AREAS.
5. A DUST CONTROL PLAN MEETING THE REQUIREMENTS OF RULE 310 OF THE MARICOPA COUNTY AIR POLLUTION CONTROL REGULATIONS, AS AMENDED, IS REQUIRED.
6. ALL EXTERIOR SITE LIGHTING SHALL COMPLY WITH THE TOWN OF PARADISE VALLEY ZONING ORDINANCE NO. 1023 FOR FUTURE TYPE, LOCATION, HEIGHT, WATTAGE BASED UPON FIXTURES INSTALLED.
7. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES AND FEATURES PRIOR TO CONSTRUCTION FOR CONFLICT PURPOSES AND COORDINATE WITH ARCHITECT FOR POTENTIAL CONFLICT RESOLUTION.
8. 5% MINIMUM SLOPE AWAY FROM BUILDING FOR A MINIMUM OF 10' UNLESS NOTED OTHERWISE.

GRADING SPECIFICATIONS

1. EXCAVATION AND GRADING OF THIS SITE IS CLASSIFIED AS "ENGINEERED GRADING" PER 2015 IBC AND WILL BE PERFORMED ACCORDING TO THE TOWN OF PARADISE VALLEY ZONING ORDINANCE NO. 1023.
2. THE DEVELOPER WILL RETAIN A SOILS ENGINEER DURING CONSTRUCTION TO INSPECT PROGRESS OF CONSTRUCTION. CONCERNING PREPARATION OF GROUNDS TO RECEIVE FILLS, TESTING AND REQUIRED COMPACTION STABILITY OF ALL FILL SLOPES INCLUDING CUT SLOPES.
3. BEARING MATERIALS FOR FILL UNDER RESIDENCE PAD IF NATIVE MATERIAL IS USED. LARGE ROCK FRAGMENTS MUST BE REMOVED THAT ARE IN EXCESS OF SIX INCHES. REMAINING MATERIAL MUST BE SMALLER PARTICLES OF SAND ROCK THAT CAN BE COMPACTED INTO A DENSE CONDITION.
4. MAXIMUM PARTICLE SIZE PERCENT PASSING NO. 4 SIEVE PERCENT PASSING NO. 200 SIEVE PLASTICITY INDEX
5. 6 INCHES 35% TO 70% 25% MAX 10% MAX
6. CUT-SLOPES: MAXIMUM CUT SLOPES TO BE 1.0 FOOT HORIZONTAL TO 2.5 FEET VERTICAL.
7. FILL-SLOPES: MAXIMUM FILL SLOPES TO BE 2 FEET HORIZONTAL TO 1 FOOT VERTICAL.
8. COMPACTION FILL MATERIAL MUST BE PLACED ON LEVELED BENCHES CUT INTO UNDISTURBED EXISTING HILLSIDE. PLACE FILL TO A MINIMUM OF 95% OF THE MAXIMUM A.S.T.M. DENSITY AT THE OPTIMUM MOISTURE CONTENT OF ± TWO PERCENT. THIS PERCENT SHALL BE DETERMINED BY THE TOWN OF PARADISE VALLEY ZONING ORDINANCE NO. 1023.
9. AND RETAINING WALLS ADJACENT TO THE PROPERTY LINES WILL BE UNDER THE SCOPE OF SPECIAL INSPECTION BY THE SOILS ENGINEER. THE DEVELOPER SHALL NOTIFY THE ADJOINING PROPERTY OWNERS IN WRITING, TEN DAYS PRIOR TO START OF CONSTRUCTION ON THESE WALLS PER SECTION 2903-B OF I.B.C. THE DEVELOPER WILL HAVE TO PROVIDE MEANS OF PROTECTION OF ADJACENT PROPERTY WHILE THIS WORK IS UNDER CONSTRUCTION.
10. ALL EXPOSED CUT AND FILL SHALL BE TREATED WITH AN APPROVED AGING AGENT TO MINIMIZE TO VISUAL CONTINUITY.
11. NO CERTIFICATE OF OCCUPANCY SHALL BE ISSUED UNTIL ALL HILLSIDE STIPULATIONS AND ALL TOWN CODE REQUIREMENTS ARE COMPLIED WITH INCLUDING, BUT NOT LIMITED TO LANDSCAPING, FIRE FLOW, FIRE SAFETY AND ALL ONSITE AND OFF-SITE IMPROVEMENTS.
12. ALL OUTDOOR LIGHTING SHALL BE IN CONFORMANCE WITH SECTION 1023 OF THE TOWN CODE.
13. ALL EXCESS FILL MATERIAL SHALL BE REMOVED FROM THE SITE WITH NO NEW SPILL SLOPES.
14. THE USE OF HYDRAULIC HAMMERS AND HEAVY EQUIPMENT SHALL BE LIMITED TO USE BETWEEN THE HOURS OF 7:00 AM AND 6:00 PM MONDAY THROUGH SATURDAY WITH NO WORK ON SUNDAY.
15. CONSTRUCTION STAKING AND/OR FENCING SHALL BE PLACED AROUND THE CONSTRUCTION SITE SO AS TO PROTECT THE UNDISTURBED NATURAL AREAS.

PARADISE VALLEY GENERAL NOTES

1. PRIOR TO THE FIRST INSPECTION OF STRUCTURES WITHIN 3 FEET OF A SETBACK LINE, THE PROPERTY PINS SHALL BE PLACED BY A REGISTERED CIVIL ENGINEER OR LAND SURVEYOR OF THE STATE OF ARIZONA, AND THE PROPERTY LINE(S) IDENTIFIED.
2. WHERE EXCAVATION IS TO OCCUR THE TOP 4" OF EXCAVATED NATIVE SOIL SHALL REMAIN ON THE SITE AND SHALL BE REUSED IN A MANNER THAT TAKES ADVANTAGE OF THE NATURAL SOIL SEED BANK IT CONTAINS.
3. ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL MUNICIPALITY UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
6. ALL EXTERIOR SITE LIGHTING SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR TYPE, LOCATION, HEIGHT, WATTAGE, AND LUMEN BASED UPON THE FIXTURES INSTALLED PURSUANT TO SECTION 1023 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCE FOR NON-HILLSIDE PROPERTIES, SECTION 2208 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCE FOR HILLSIDE PROPERTIES, OR AS SPECIFIED IN THE SPECIAL USE PERMIT FOR SPECIAL USE PERMIT PROPERTIES.
7. A DUST CONTROL PLAN AND PERMIT MEETING THE REQUIREMENTS OF RULE 310 OF THE MARICOPA COUNTY AIR POLLUTION CONTROL REGULATIONS, AS AMENDED, IS REQUIRED.
8. A SEPARATE RIGHT-OF-WAY PERMIT IS NECESSARY FOR ANY OFF-SITE CONSTRUCTION.
9. AN APPROVED GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
10. EAVE PROJECTIONS INTO REQUIRED SETBACKS ARE LIMITED TO A MAXIMUM OF 24" PURSUANT TO SECTION 1008 OF THE TOWN OF PARADISE VALLEY ZONING ORDINANCES.
11. ALL STRUCTURES AND LANDSCAPING WITHIN THE SIGHT VISIBILITY TRIANGLE SHALL HAVE A 2 FOOT MAXIMUM HEIGHT.
12. ALL NEW AND EXISTING ELECTRICAL SERVICE LINES SHALL BE BURIED PER THE TOWN OF PARADISE VALLEY REQUIREMENTS.
13. IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ARRANGE FOR THE RELOCATION AND RELOCATION COSTS OF ALL UTILITIES, AND TO SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF AN ENGINEERING CONSTRUCTION PERMIT.
14. EXISTING AND/OR NEW UTILITY CABINETS AND PEDESTALS SHALL BE LOCATED A MINIMUM OF 4' BEHIND ULTIMATE BACK OF CURB LOCATION.
15. POOL, SPA, BARBEQUE AND ANY PROPOSED STRUCTURES OVER 8' ABOVE GRADE REQUIRE SEPARATE PERMIT APPLICATIONS.
16. POOLS SHALL BE CONSTRUCTED BY SEPARATE PERMIT AND SECURED FROM UNWANTED ACCESS PER TOWN CODE, ARTICLE 5-2.
17. ALL FILL MATERIAL UNDER SLABS AND WALKS SHALL BE COMPACTED TO NOT LESS THAN 95%.
18. SETBACK CERTIFICATION IS REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO STEM WALL INSPECTION.
19. FOR BUILDING PADS THAT HAVE 1' OR MORE OF FILL MATERIAL, SOILS COMPACTION TEST RESULTS ARE REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO PRE-SLAB INSPECTION.
20. FINISHED FLOOR ELEVATION CERTIFICATION IS REQUIRED AND SHALL BE PROVIDED TO TOWN INSPECTOR PRIOR TO FRAMING INSPECTION.
21. MAIL BOXES SHALL COMPLY WITH THE TOWN OF PARADISE VALLEY STANDARDS FOR MAIL BOXES IN THE RIGHT-OF-WAY FOR HEIGHT, WIDTH AND BREAK AWAY FEATURES.
22. ALL PATIOS, WALKS, AND DRIVES TO SLOPE AWAY FROM BUILDING AND GARAGES AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS SPECIFIED OTHERWISE.
23. TRENCH BEDDING AND SHADING SHALL BE FREE OF ROCKS AND DEBRIS.
24. THE TOWN ONLY APPROVES THE SCOPE OF WORK AND NOT THE ENGINEERING DESIGN. ANY CONSTRUCTION QUANTITIES SHOWN ARE NOT VERIFIED BY THE TOWN.
25. THE APPROVAL OF THE PLANS IS VALID FOR 180 DAYS. IF A PERMIT FOR CONSTRUCTION HAS NOT BEEN ISSUED WITHIN 180 DAYS, THE PERMIT MUST BE RENEWED.
26. A TOWN INSPECTOR WILL INSPECT ALL WORK WITHIN THE TOWN'S RIGHTS-OF-WAY. NOTIFY TOWN INSPECTION SERVICES TO SCHEDULE A PRECONSTRUCTION MEETING PRIOR TO STARTING CONSTRUCTION.
27. WHENEVER EXCAVATION IS NECESSARY, CALL ARIZONA811 BY DIALING 811 OR 602-263-1100, TWO (2) WORKING DAYS BEFORE EXCAVATION BEGINS.
28. EXCAVATIONS SHALL COMPLY WITH REQUIREMENTS OF OSHA EXCAVATION STANDARDS [29 CFR, PART 1926, SUBPART P]. UNDER NO CIRCUMSTANCES WILL THE CONTRACTORS BE ALLOWED TO WORK IN A TRENCH LOCATED WITHIN THE TOWN'S RIGHT-OF-WAY WITHOUT PROPER SHORING OR EXCAVATION METHODS.
29. PERMIT HOLDER SHALL POST A 6 SQUARE FOOT (2'X3') IDENTIFICATION SIGN, MADE OF DURABLE MATERIAL, IN THE FRONT YARD OF SUBJECT PROPERTY AND NOT IN THE TOWN'S RIGHT-OF-WAY. THE SIGN MAY NOT EXCEED A MAXIMUM OF 6 FEET IN HEIGHT FROM GRADE TO TOP OF THE SIGN. THE SIGN MUST INCLUDE THE PERMITTEE OR COMPANY NAME, PHONE NUMBER, TYPE OF WORK, ADDRESS OF PROJECT AND TOWN CONTACT NUMBER, 480-348-3556.
30. WHEN DEEMED NECESSARY, A 6-FOOT HIGH CHAIN LINK FENCE MUST BE INSTALLED AROUND THE CONSTRUCTION AREA TO PREVENT ANY POTENTIAL SAFETY HAZARD FOR THE PUBLIC. THE FENCE SHALL BE SET BACK AT LEAST 10 FEET FROM ALL RIGHTS-OF-WAY AND HAVE A 50-FOOT STREET CORNER SITE TRIANGLE WHERE APPLICABLE.
31. CLEAR ACCESS FOR NEIGHBORING PROPERTIES AND EMERGENCY VEHICLES MUST BE MAINTAINED AT ALL TIMES. CONSTRUCTION RELATED VEHICLES MUST BE LEGALLY PARKED ONLY ON ONE SIDE OF THE STREET OR JOB SITE PROPERTY.
32. ALL CONSTRUCTION DEBRIS AND EQUIPMENT MUST BE CONTAINED ON SITE AT ALL TIMES. CONTRACTOR AND PROPERTY OWNER MUST MAINTAIN THE JOB SITE FREE OF LITTER AND UNSIGHTLY MATERIALS AT ALL TIMES. CONSTRUCTION MATERIALS ARE PROHIBITED IN THE TOWN'S RIGHT-OF-WAY.
33. CONSTRUCTION ACTIVITIES ARE PERMITTED BETWEEN THE HOURS OF 7 AM AND 5 PM MONDAY THROUGH FRIDAY. CONSTRUCTION ACTIVITIES MAY START ONE (1) HOUR EARLIER DURING THE SUMMER (MAY 1ST THROUGH SEPTEMBER 30TH).
34. THE USE AND OPERATION OF FUEL-FIRED GENERATORS IS PROHIBITED UNLESS DUE TO A HARSHIP. TOWN APPROVAL SHALL BE REQUIRED.
35. THE CONTRACTOR AND PROPERTY OWNER SHALL BE LIABLE FOR ANY DAMAGE DONE TO ANY PUBLIC PROPERTY AS A RESULT OF ANY CONSTRUCTION RELATED ACTIVITIES. NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL AFFECTED RIGHTS-OF-WAY ARE CLEANED AND/OR REPAIRED TO THEIR ORIGINAL CONDITION AND UNTIL ANY AND ALL DAMAGES TO AFFECTED PROPERTIES ARE RESTORED TO ORIGINAL CONDITION.
36. A KEYED SWITCH SHALL BE REQUIRED ON ALL NEW AND EXISTING ELECTRIC ENTRY GATES. THE KEYED SWITCH SHALL BE INSTALLED IN A LOCATION THAT IS EASILY VISIBLE AND ACCESSIBLE. KNOX BOX ORDER FORMS ARE AVAILABLE AT THE TOWN'S BUILDING SAFETY DEPARTMENT.
37. PROPERTY OWNER, BUILDER, OR GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR CONTROLLING DUST FROM THE SITE AT ALL TIMES. ALL MEANS NECESSARY SHALL BE USED BY THE BUILDER OR GENERAL CONTRACTOR TO CONTROL THE EXISTENCE OF DUST CAUSED BY ANY EARTHWORK, SPRAY APPLICATION OF MATERIALS, OR OTHER DUST-CAUSING PRACTICES REQUIRED BY THE CONSTRUCTION PROCESS.
38. APPROVAL OF THESE PLANS ARE FOR PERMIT PURPOSES ONLY AND SHALL NOT PREVENT THE TOWN FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY, OR OTHER DESIGN ISSUES.
39. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, INTERCEPTION DITCHES, PIPES PROTECTIVE BERMS, CONCRETE CHANNELS OR OTHER MEASURES DESIGNED TO PROTECT PROPOSED AND EXISTING IMPROVEMENTS FROM RUNOFF OR DAMAGE FROM STORM WATER, MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF ANY IMPROVEMENTS.

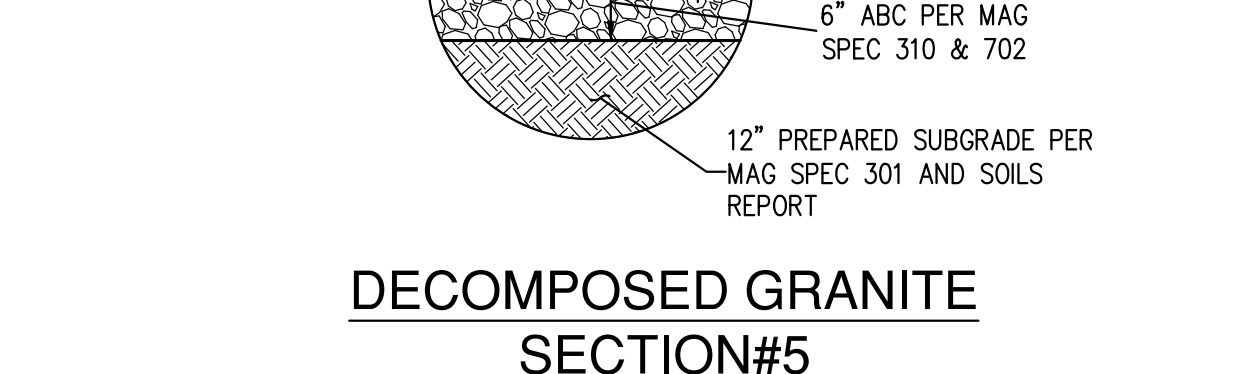
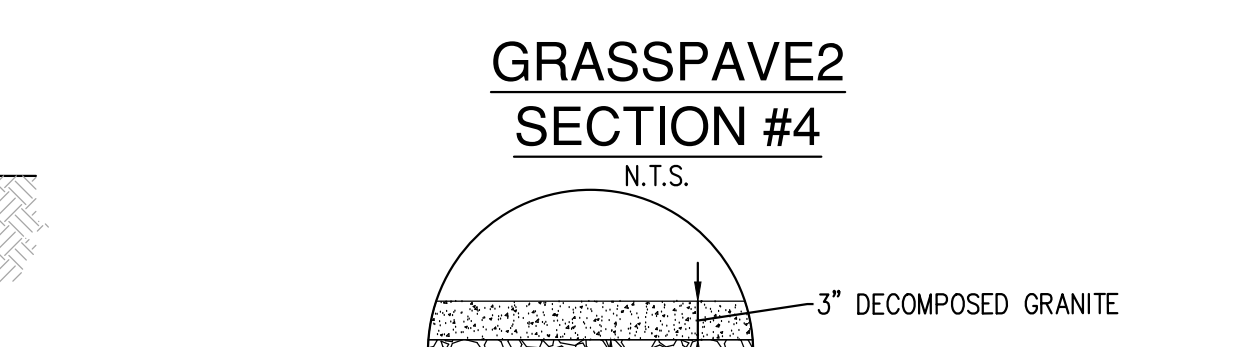
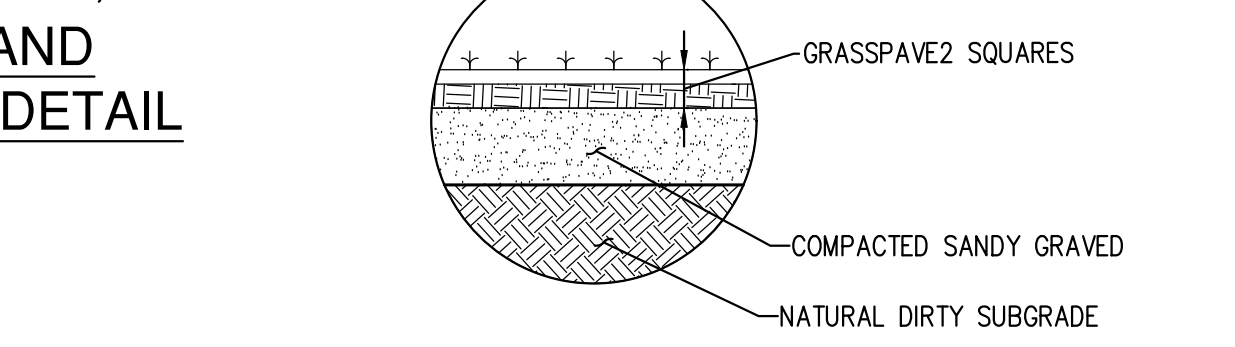
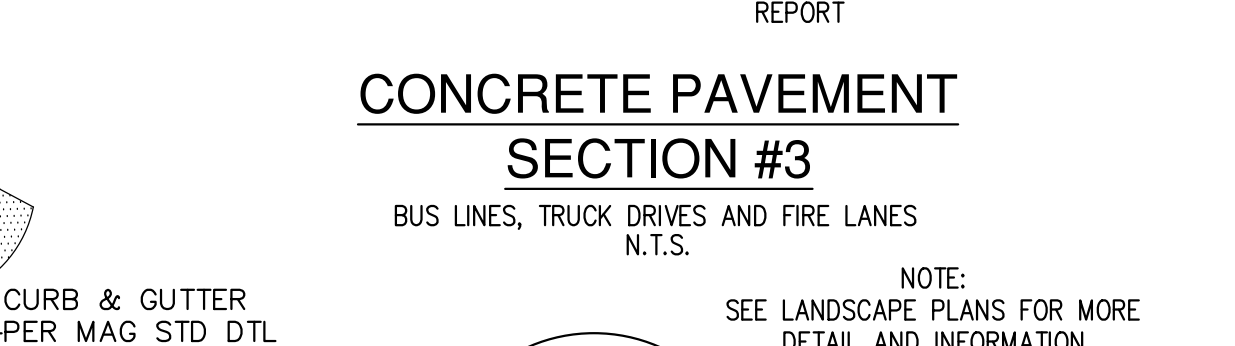
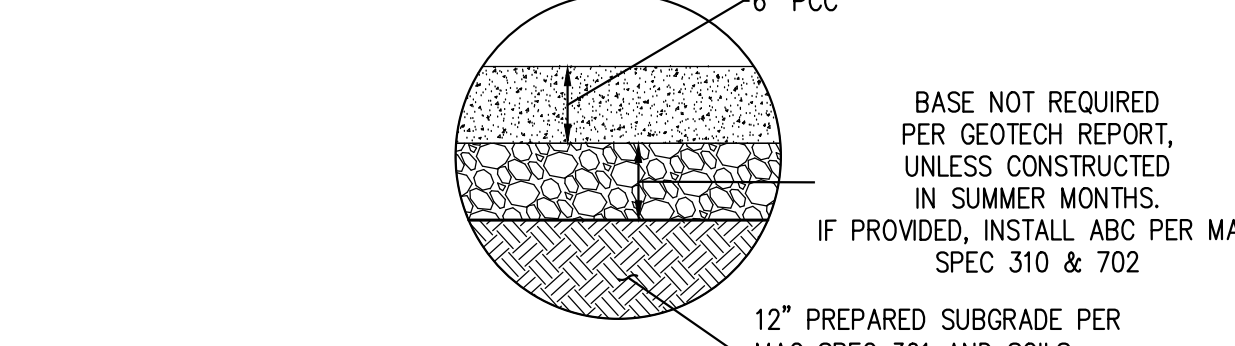
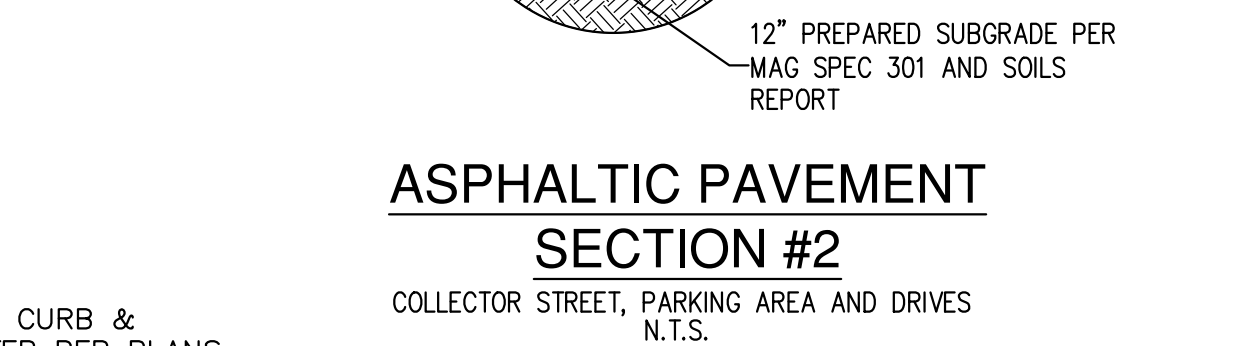
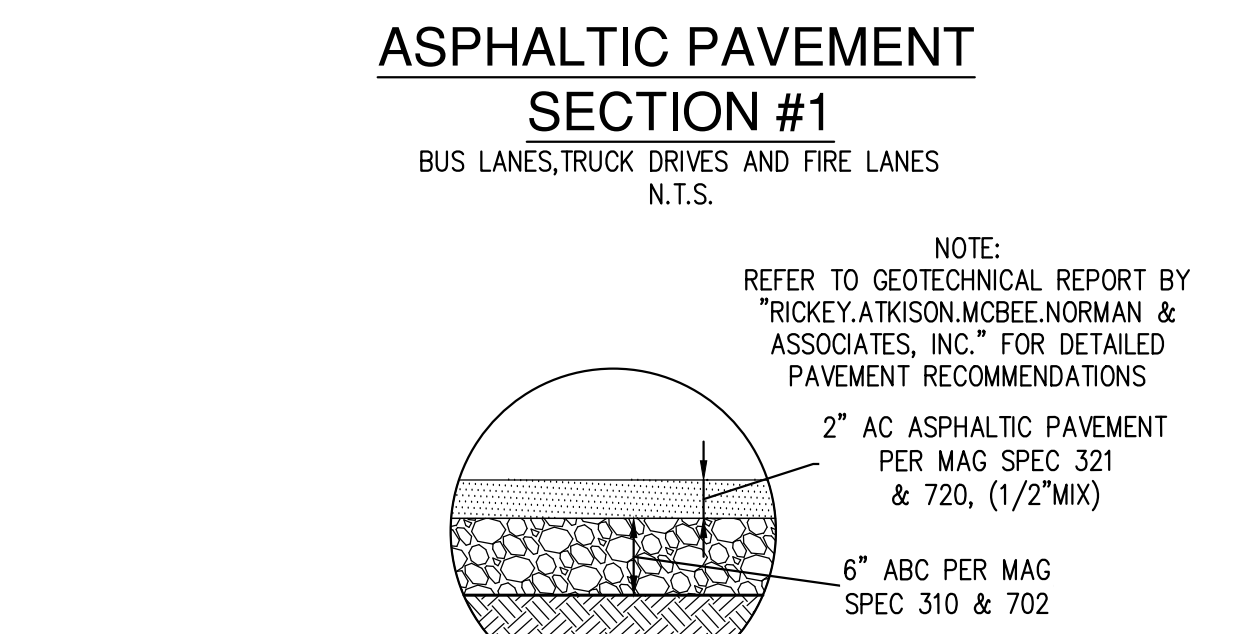
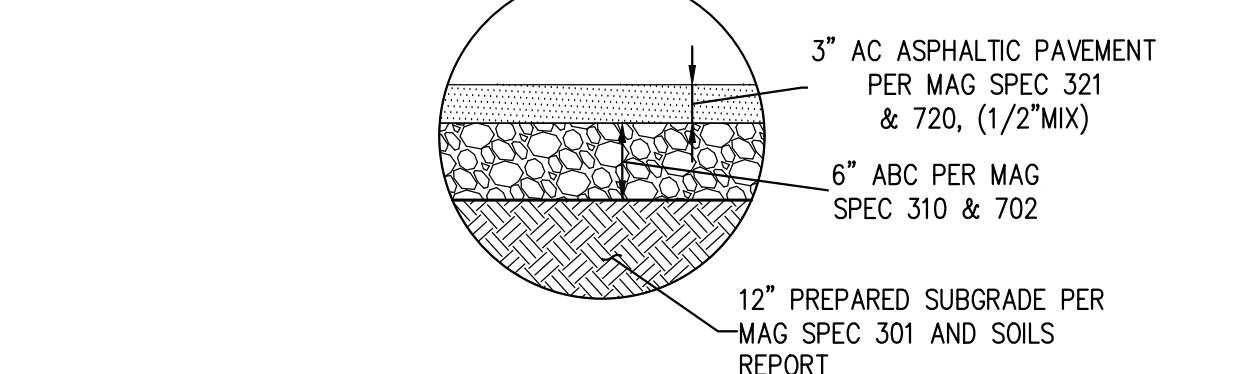


PAVING CONSTRUCTION NOTES

1. INSTALL 3" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#1 ON SHT C1.2
2. INSTALL 2" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#2 ON SHT C1.2
3. INSTALL 3" VALLEY GUTTER PER MAG STD DTL 240
4. INSTALL 18" WIDE RIBBON CURB PER MAG STD DTL 220-1, TYPE B (MODIFIED WIDTH)
- 4a. INSTALL 4" ROLL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE C
5. INSTALL SINGLE CURB TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
- 5a. INSTALL VERTICAL CURB AND GUTTER TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
- 5b. INSTALL VERTICAL CURB AND GUTTER TO SINGLE CURB TRANSITION PER DTL ON SHT C1.2
- 5c. INSTALL SINGLE CURB TO ROLL CURB TRANSITION PER DTL ON SHT C1.2
6. INSTALL 6" SINGLE CURB PER MAG STD DTL 222, TYPE A
- 6a. INSTALL 6" VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE A
7. INSTALL 6" VALLEY GUTTER AND APRON PER MAG STD DTL 238-2
- 7a. INSTALL 6" VALLEY GUTTER PER DTL ON SHT C1.2
8. INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
- 8a. HARDSCAPE, SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
- 8b. INSTALL GRASSPAVE2 FIRE LANE PER SECTION#4 ON SHT C1.2
- 8c. INSTALL DS FIRE LANE PER SECTION#4 ON SHT C1.2
- 8d. INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
9. INSTALL SIDEWALK RAMP PER MAG STD DTL 237-3
- 9a. INSTALL SIDEWALK RAMP PER MAG STD DTL 237-3
10. INSTALL EXISTING PARKING STALL WITH WHEEL STOP, SIGNS AND STRIPING PER DTL ON SHT C1.3, PARKING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
- 10a. INSTALL CONCRETE WALK STOP PER DTL ON SHT C1.3
11. INSTALL 4" WIDE PAINT STRIP
12. ADJUST CLEANOUT FRAME AND COVER PER MAG STD DTL 270
- 12a. ADJUST MANHOLE FRAME AND COVER PER MAG STD DTL 270
- 12b. ADJUST MANHOLE FRAME AND COVER PER MAG STD DTL 422, CONCRETE COLLAR SHALL BE BLACK CONCRETE.
13. ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270
- 13a. ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270, CONCRETE COLLAR SHALL BE BLACK CONCRETE
14. INSTALL 6" CONCRETE PAVEMENT PER SECTION#3 ON SHT C1.2
17. INSTALL 25' COMMERCIAL DRIVEWAY PER MAG STD DTL 290-2
18. INSTALL R1-1 30"x30" STOP SIGN PER MUTCD STD. SIGN POST AND BASE PER MAG STD DTL 131 TYPE B
19. INSTALL 4" FIRE HYDRANT PROTECTION BOLLARD PER MAG STD DTL 140 TYPE 1 AND DTL ON SHT C1.3
20. UNDERGROUND ELECTRICAL SLEEVE, SEE ELECTRICAL PLANS FOR MORE INFO
21. UNDERGROUND ELECTRICAL RISER, SEE ELECTRICAL PLANS FOR MORE INFO
22. INSTALL SAFETY FENCE, SEE ARCHITECTURAL PLANS FOR MORE INFO

WATER CONSTRUCTION NOTES

1. INSTALL 6" DIP WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
2. INSTALL 3" DIP WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
- 2a. INSTALL 2.5" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
- 2b. INSTALL 2" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
- 2c. INSTALL 3/4" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
3. EXISTING 6" WATER METER TO BE PROTECTED IN PLACE
4. CUT INTO EXISTING 6" WATER LINE AND INSTALL 6" DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY PER COP STD DTL P1352
5. CUT INTO EXISTING 6" WATER LINE AND INSTALL 6"x6" TEE
6. INSTALL 6"x3" TEE
7. INSTALL 6"x3" REDUCER
- 7a. INSTALL 3"x2.5" REDUCER
8. INSTALL 90° BEND, SIZE PER PLAN
9. INSTALL 45° BEND, SIZE PER PLAN
10. INSTALL 1/2" VALVE BOX AND COVER PER MAG SPEC SEC 630, MAG STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
11. INSTALL 3" VALVE BOX AND COVER PER MAG SPEC SEC 630, STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
- 11a. INSTALL 2.5" VALVE BOX AND COVER PER MAG SPEC SEC 630, STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
- 11b. INSTALL 2" VALVE BOX AND COVER PER MAG SPEC SEC 630, STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
12. INSTALL WATER CAP FOR BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
- 12a. INSTALL WATER SERVICE FOR LANDSCAPE PLANTER BEDS, REFER TO LANDSCAPE PLANS FOR VALVES AND BACKFLOW
22. INSTALL 2" LANDSCAPE WATER METER, BOX AND COVER PER COP STD DTL P1315, P1342, P1353 AND SWATH SERVICE DEPARTMENT REQUIREMENTS
23. INSTALL 2" DOUBLE CHECK VALVE BACK FLOW PREVENTER ASSEMBLY PER COP STD DTL P1352



STORM DRAIN CONSTRUCTION NOTES

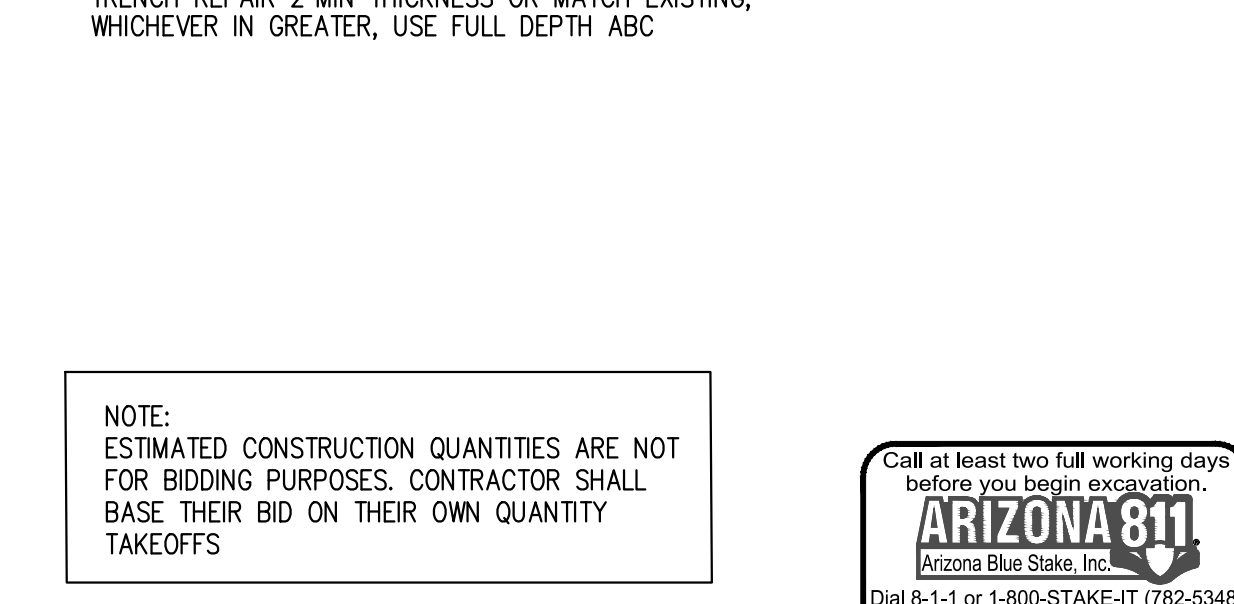
1. INSTALL MAXWELL IV DRYWELL
2. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 535
3. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 535
- 3a. INSTALL GROUDED RIP-RAP APRON PER DTL ON SHT C1.3
- 3b. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 537
4. INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
- 4a. INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" SOLID H-20 GRATE
- 4b. INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" SOLID H-20 GRATE
- 4c. INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
6. INSTALL 7" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
- 6a. INSTALL RIP-RAP SPILLWAY PER DTL ON SHT C1.2
- 6c. INSTALL 4" CONCRETE SCOUPEP PER DTL ON SHT C1.2
7. INSTALL 15" HDPE STORM DRAIN PIPE
8. INSTALL 18" HDPE STORM DRAIN PIPE
10. INSTALL 3" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
11. INSTALL LOOSE RIP-RAP EROSION CONTROL FABRIC PROTECTION
12. INSTALL GROUDED RIP-RAP EROSION CONTROL D50=6", 8" MIN THICKNESS
14. INSTALL BUILDING STEM WALL, MIN TOP OF WATER ELEVATION AS SHOWN ON PLANS. SPECIAL CONDITION FOOTING, REFER TO STRUCTURAL PLANS FOR MORE INFO
15. INSTALL BUILDING TURN DOWN FOOTING, MIN OF 0.5' OF COVER. SPECIAL CONDITION FOOTING, REFER TO STRUCTURAL PLANS FOR MORE INFORMATION
16. INSTALL ROOF DRAIN INLET WITH TEE CLEANOUT PER DTL ON SHT C1.3
17. SAWCUT TO A NEAT EDGE, REMOVE AND REPLACE EXISTING ASPHALT CURB AND SIDEWALK IN KIND PER MAG STD DTL 200-1 T TOP. TRENCH REPAIR 3" MIN THICKNESS OR MATCH EXISTING WHICHEVER IS GREATER, USE FULL DEPTH ABC.
18. INSTALL 4" FIRECH DRAIN PER DTL ON SHT C1.3
19. INSTALL SIDEWALK SCOUPEP PER LANDSCAPE PLANS
20. INSTALL SIDEWALK SCOUPEP PER DTL ON SHT C1.3
21. INSTALL 12"HDPE STORM DRAIN PIPE
23. INSTALL FLEX STORM PURE INLET FILTER LL (LITTERAND LEAF BAG 22" DEPTH) PER DTL ON SHT C1.3
24. INSTALL 15"x12" HDPE TEE
25. BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
26. INSTALL 36"x18" CONCRETE SPLASH BLOCK AT ROOFRAIN DOWNSPOT

DEMOLITION NOTES

1. EXISTING BUILDING AND SIDEWALK TO BE DEMOLISHED AND REMOVED
2. EXISTING ASPHALT TO BE SAWCUT TO A NEAT EDGE AND REMOVED
3. SAWCUT EXISTING CONCRETE, CURB AND GUTTER TO A NEAT EDGE AND REMOVE
4. EXISTING UNDERGROUND UTILITIES TO BE REMOVED OR ABANDONED IN PLACE PER MAG SPEC 250
5. EXISTING FENCE TO BE REMOVED
6. EXISTING PLAYGROUND STRUCTURE TO BE REMOVED
- 6a. EXISTING PLAYGROUND STRUCTURE TO BE REMOVED AND SALVAGED
7. EXISTING CANOPY TO BE REMOVED
8. EXISTING CMU WALL TO BE REMOVED
9. EXISTING STORM DRAIN STRUCTURE TO BE REMOVED
10. EXISTING POWER TRANSFORMER TO BE REMOVED/RELOCATED BY UTILITY COMPANY OR AUTHORIZED CONTRACTOR
11. EXISTING ELECTRICAL RISER TO BE REMOVED BY UTILITY COMPANY OR AUTHORIZED CONTRACTOR

SEWER CONSTRUCTION NOTES

1. INSTALL 8" SDR-35 PVC SEWER LINE, BEDDING AND BACKFILL PER MAG SPEC SECS 601 AND 615
2. INSTALL 6" SDR-35 PVC SEWER LINE PER IPC CHAPTER 7, BEDDING AND BACKFILL PER MAG SPEC SECS 601 AND 615
3. INSTALL 5" DIA PRE-CAST CONCRETE MANHOLE PER MAG STD DTL 420-1, 420-2 AND 420-3 WITH A 30" FRAME AND COVER PER MAG STD DTL 424
- 3a. INSTALL 5" DIA PRE-CAST CONCRETE MANHOLE PER MAG STD DTL 420-1, 420-2 AND 420-3 WITH A 30" FRAME AND COVER PER MAG STD DTL 424, BLACK CONCRETE COLLAR REQUIRED
4. INSTALL SEWER CLEANOUT PER MAG STD DTL 441
5. BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
6. TAP INTO EXISTING SEWER LINE, REMOVE AS NEEDED
7. INSTALL UTILITY SEPARATION PROTECTION PER MAG STD DTL 404, WATER MAIN PROTECTION PER MAG STD DTL 404-2, DUCTILE IRON PIPE WITH NO JOINTS WITHIN 6 FEET OF CROSSING, SEWER TO BE ENCASED PER MAG STD DTL 404-3
8. SAWCUT EXISTING ASPHALT TO A NEAT ENDE, REMOVE AND REPLACE IN KIND PER MAG STD DTL 200-1 TOP, TRENCH REPAIR 3" MIN THICKNESS OR MATCH EXISTING, WHICHEVER IS GREATER, USE FULL DEPTH ABC



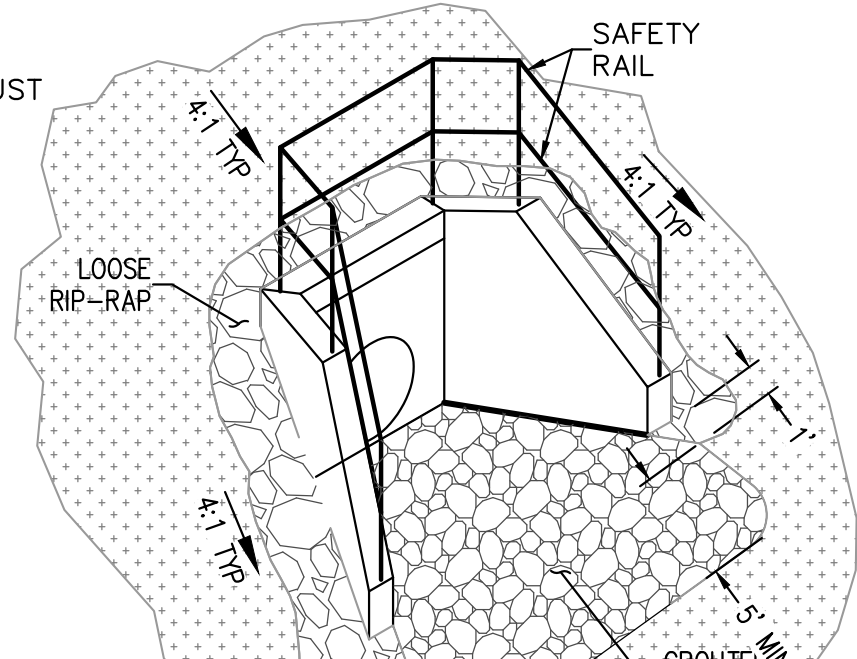
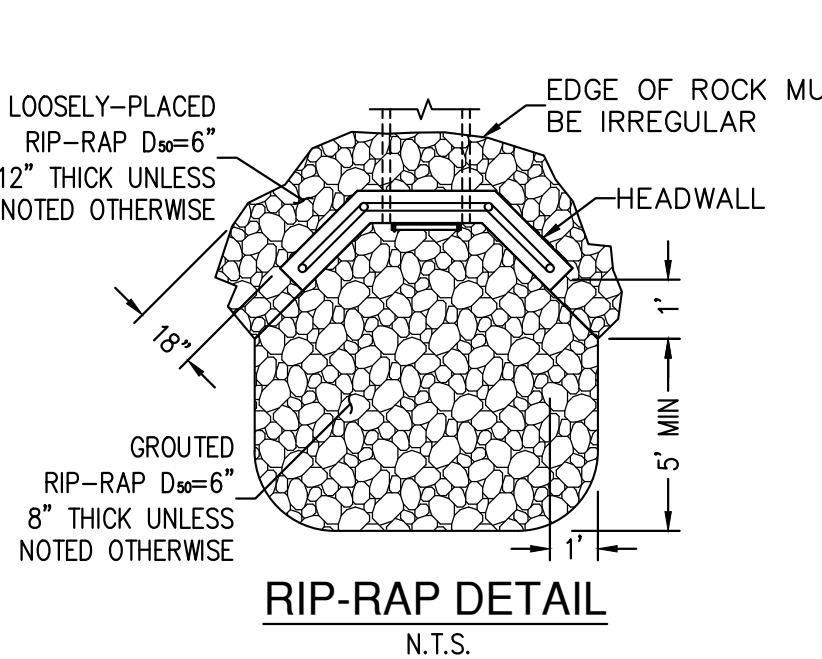
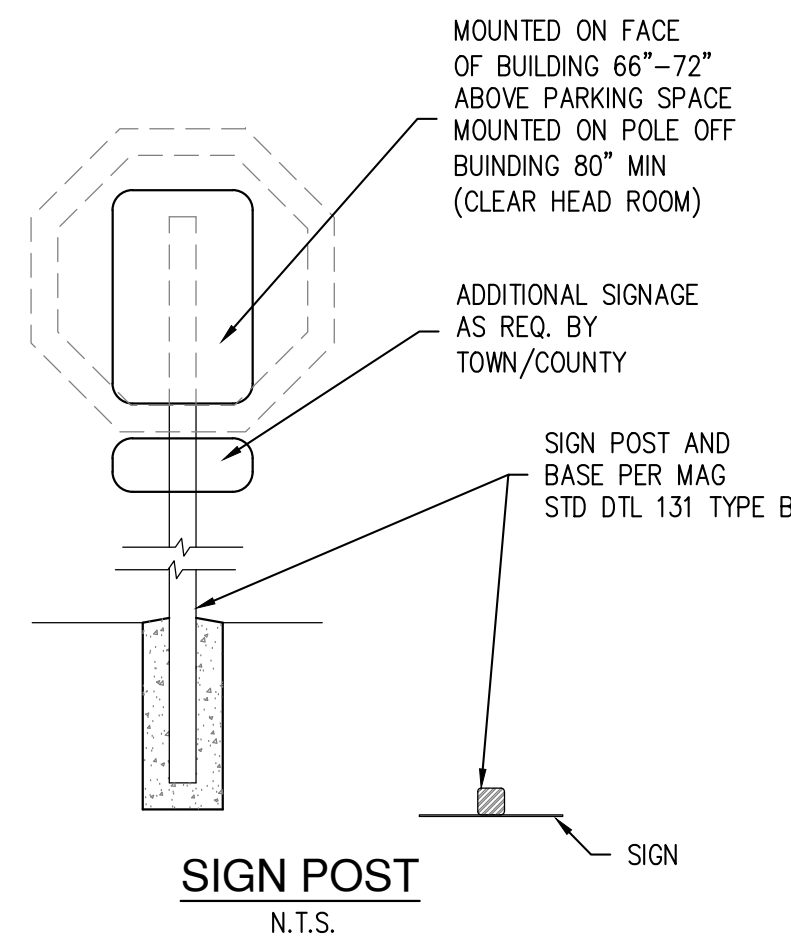
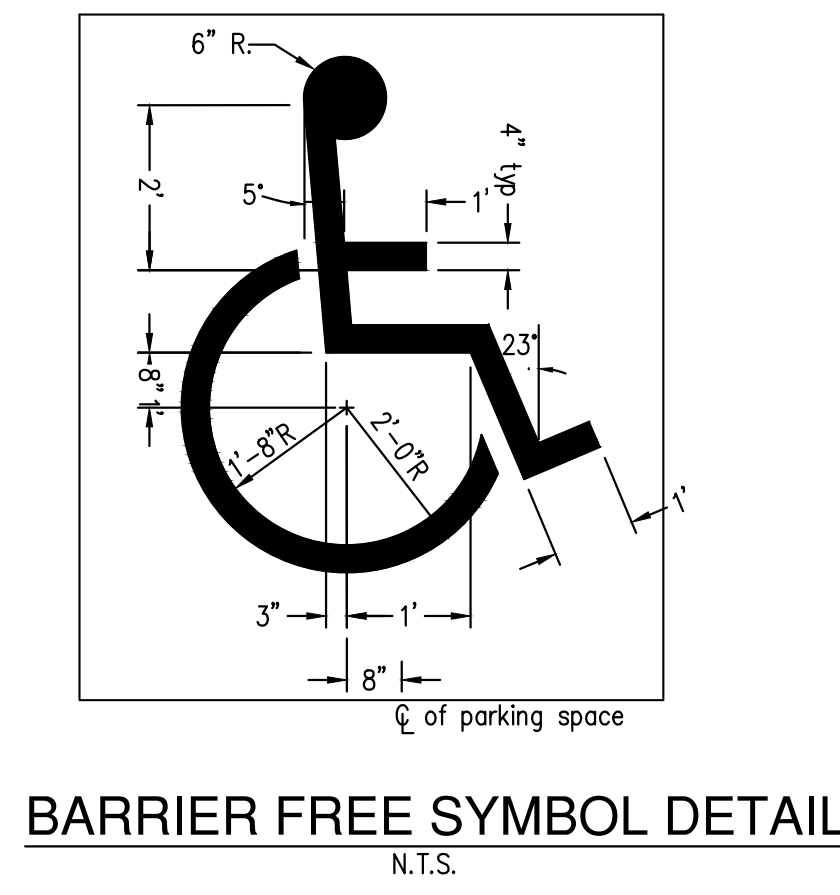
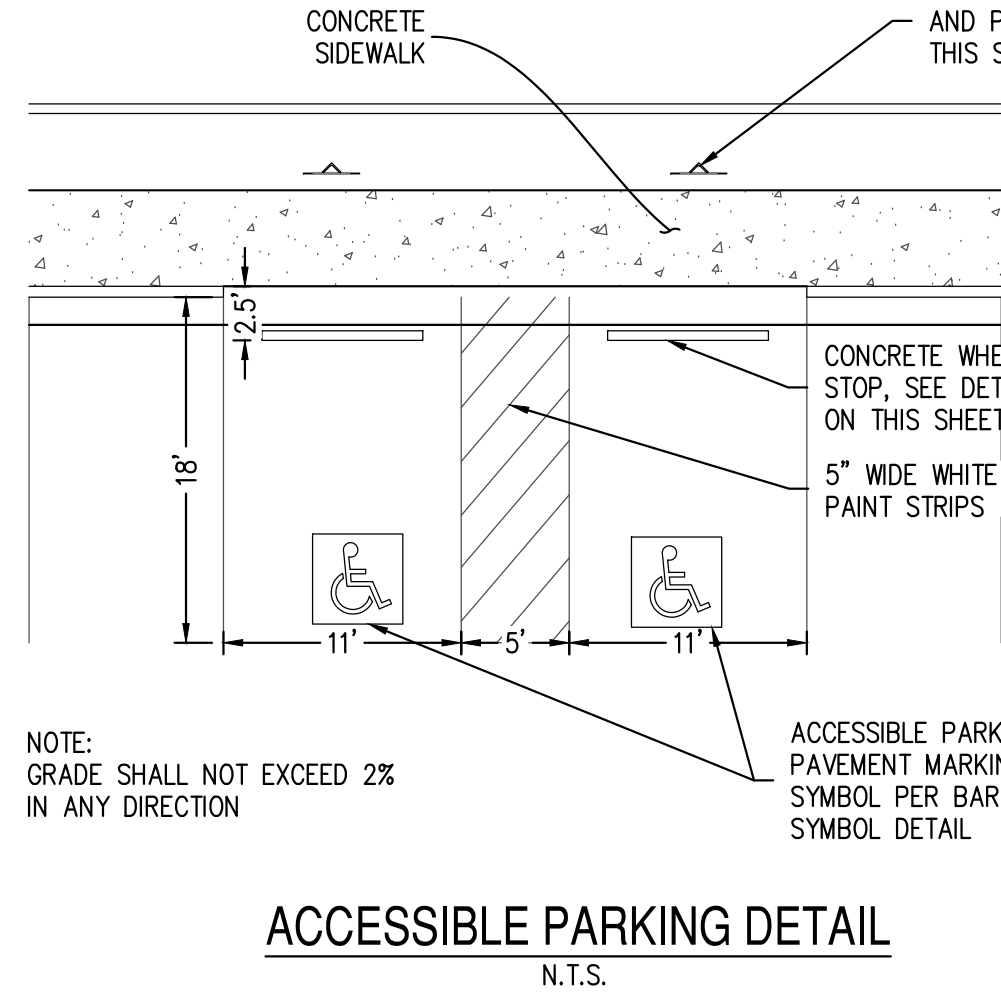
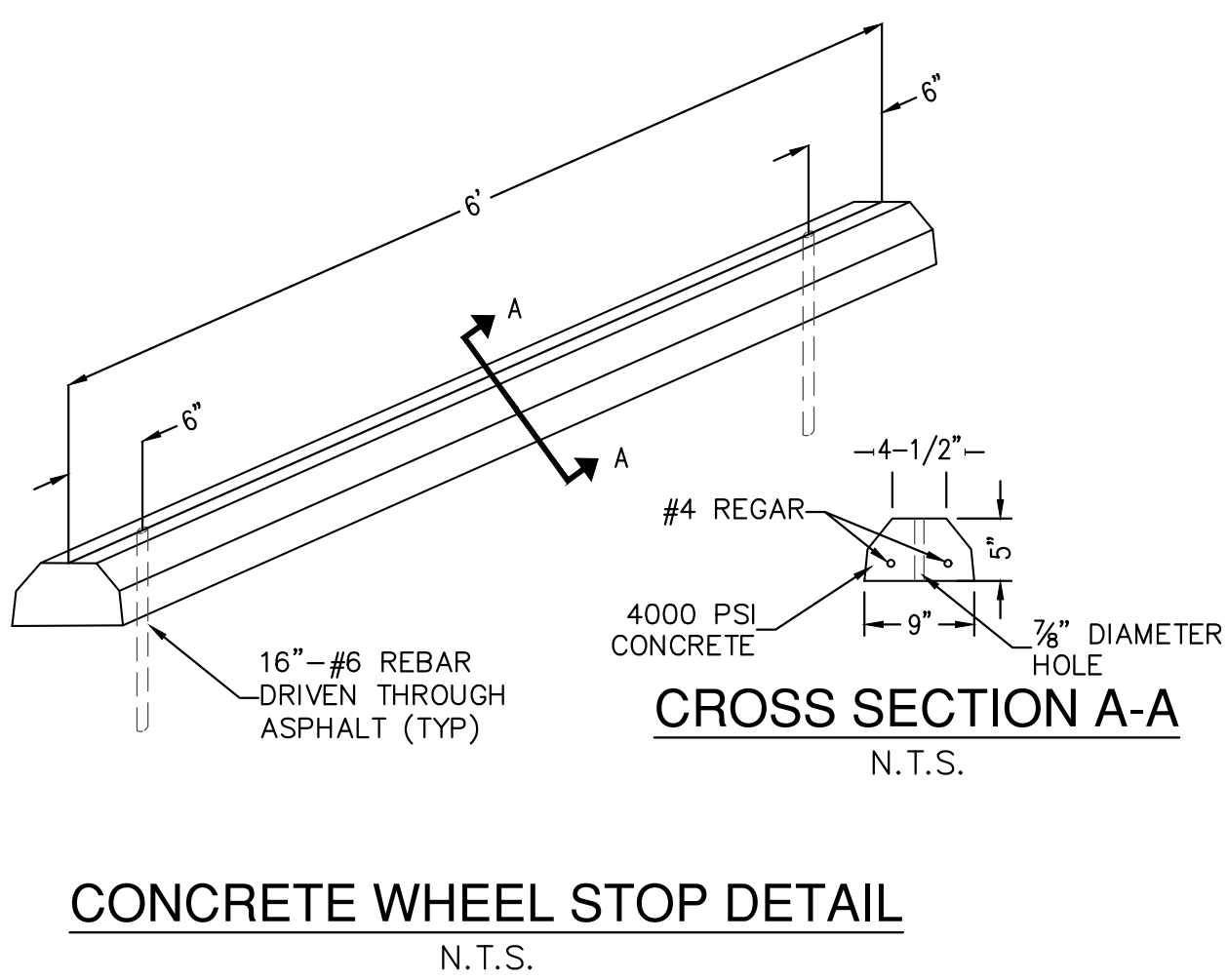
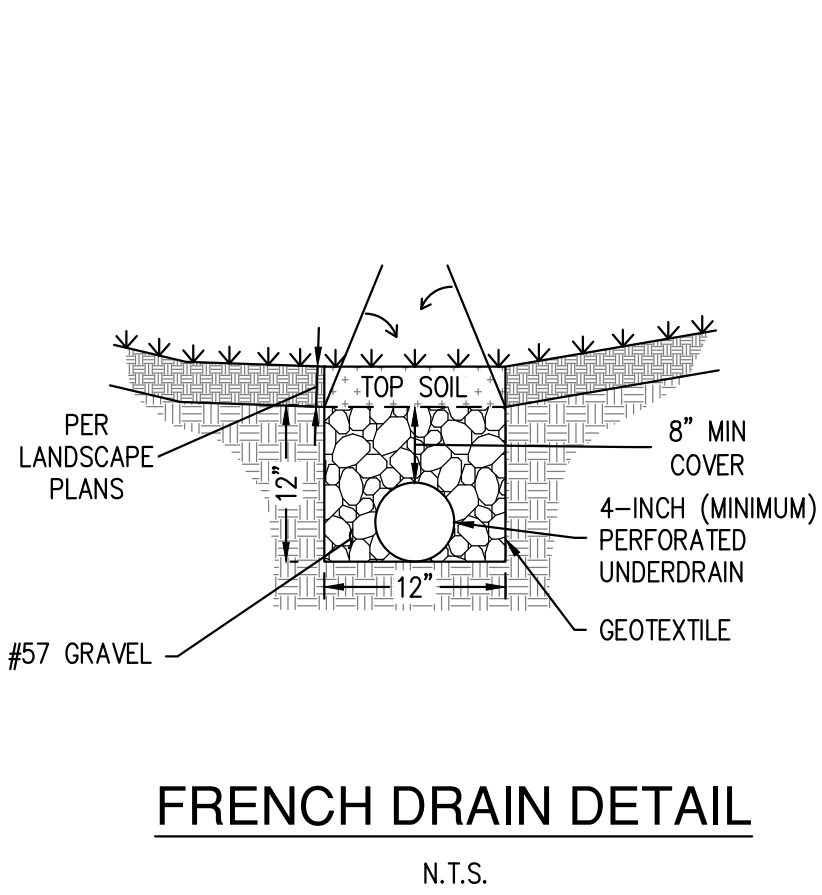
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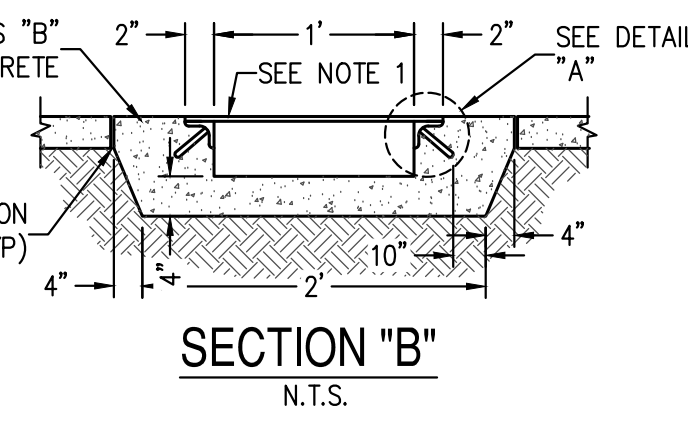
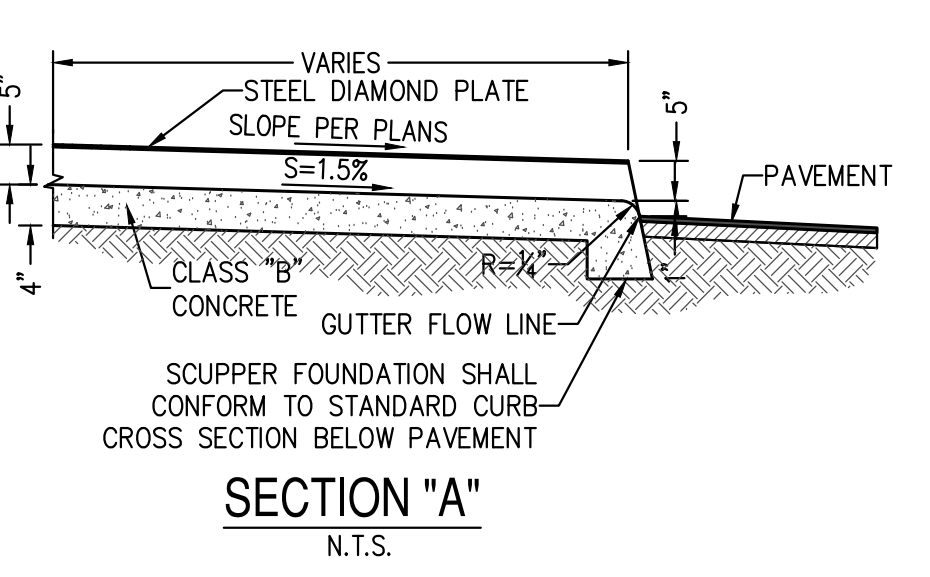
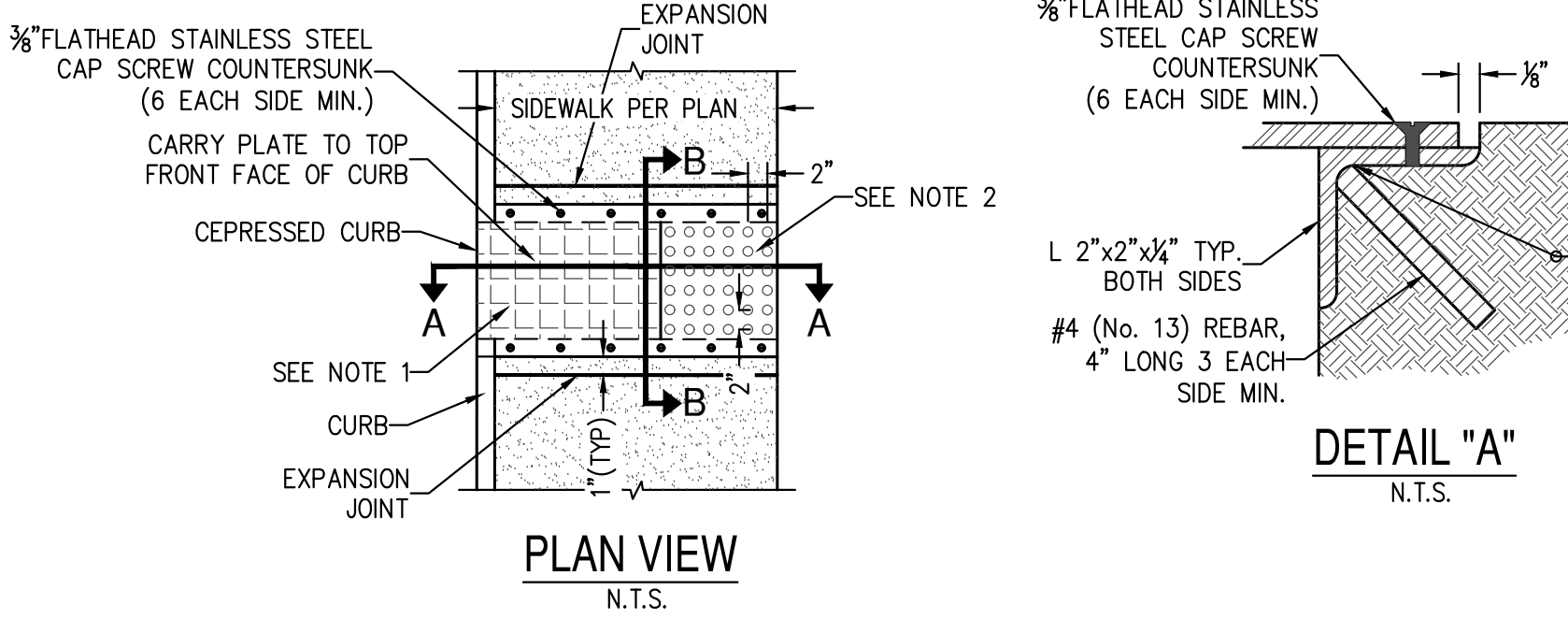
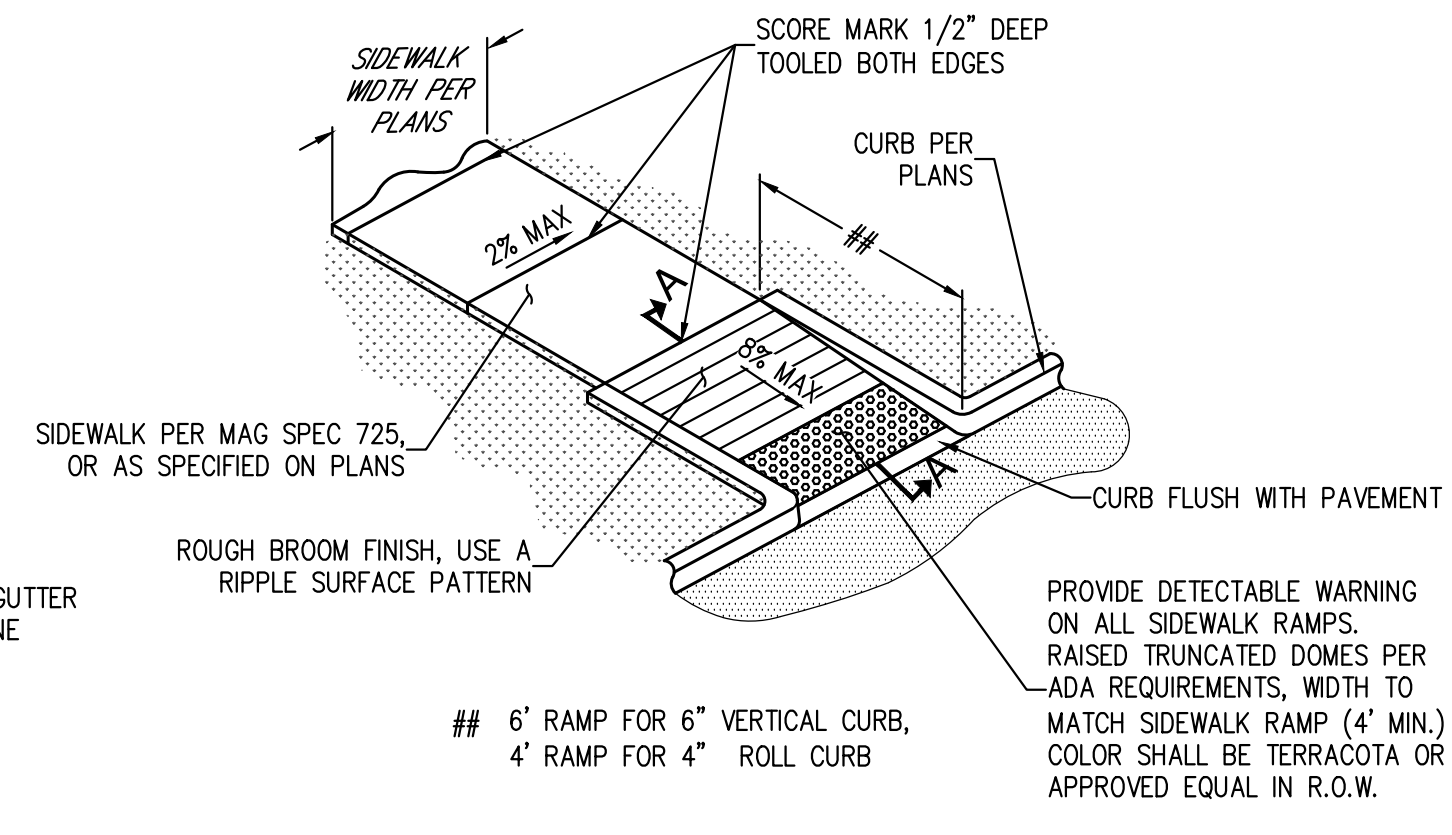
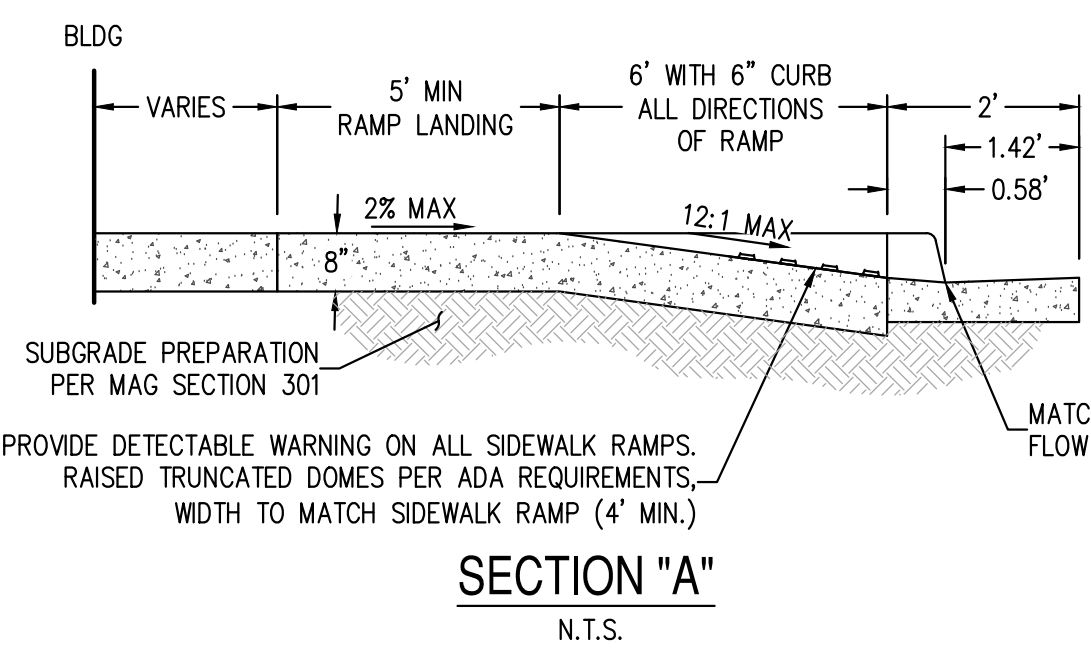
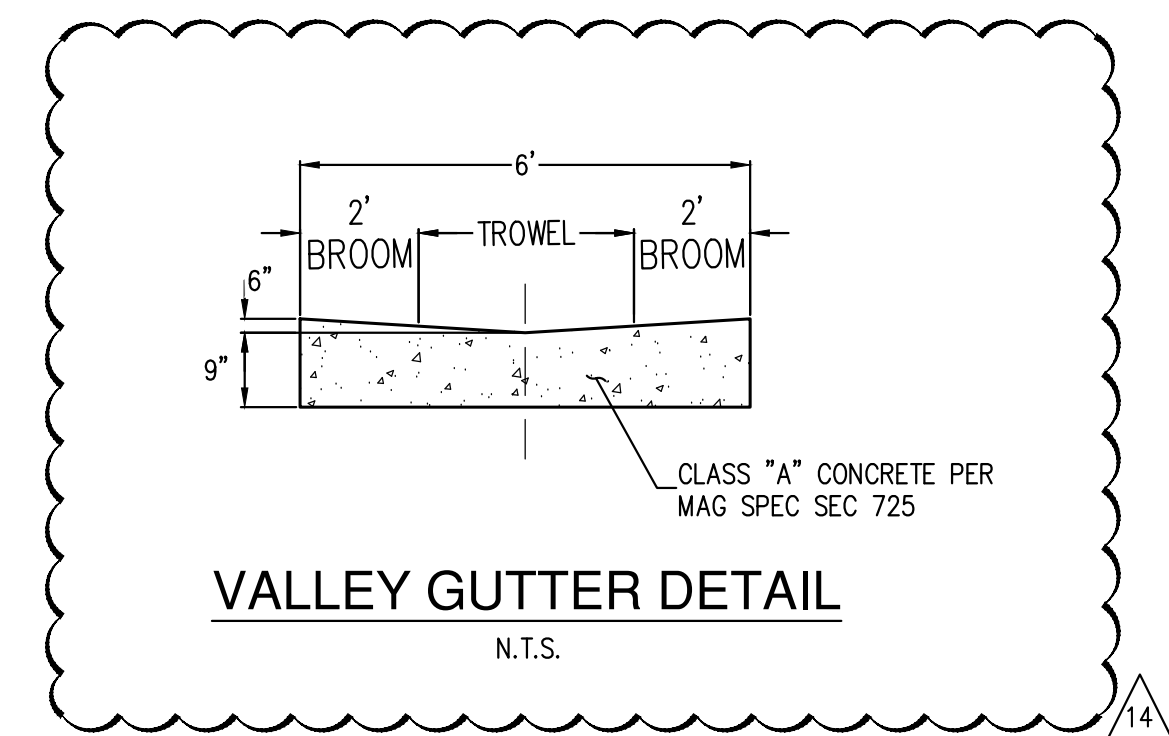
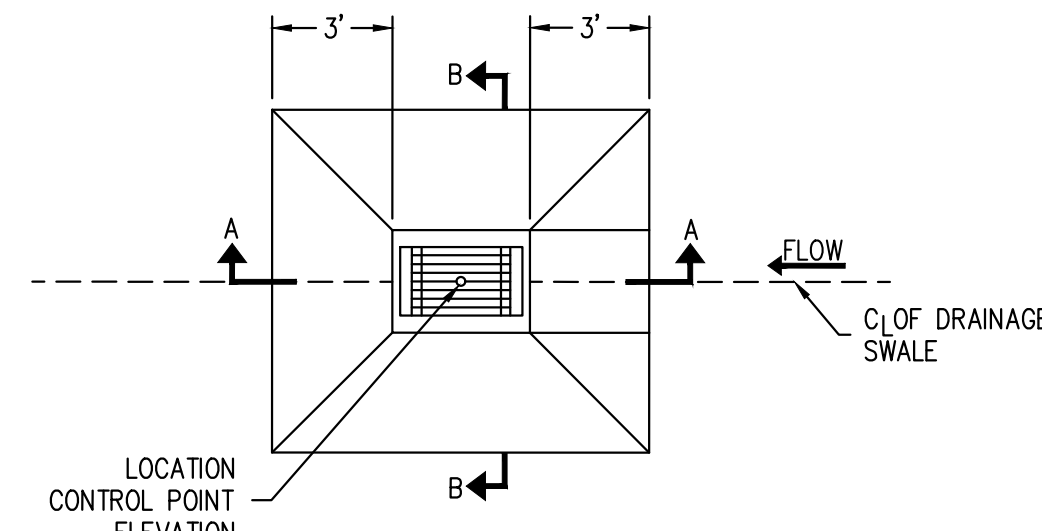
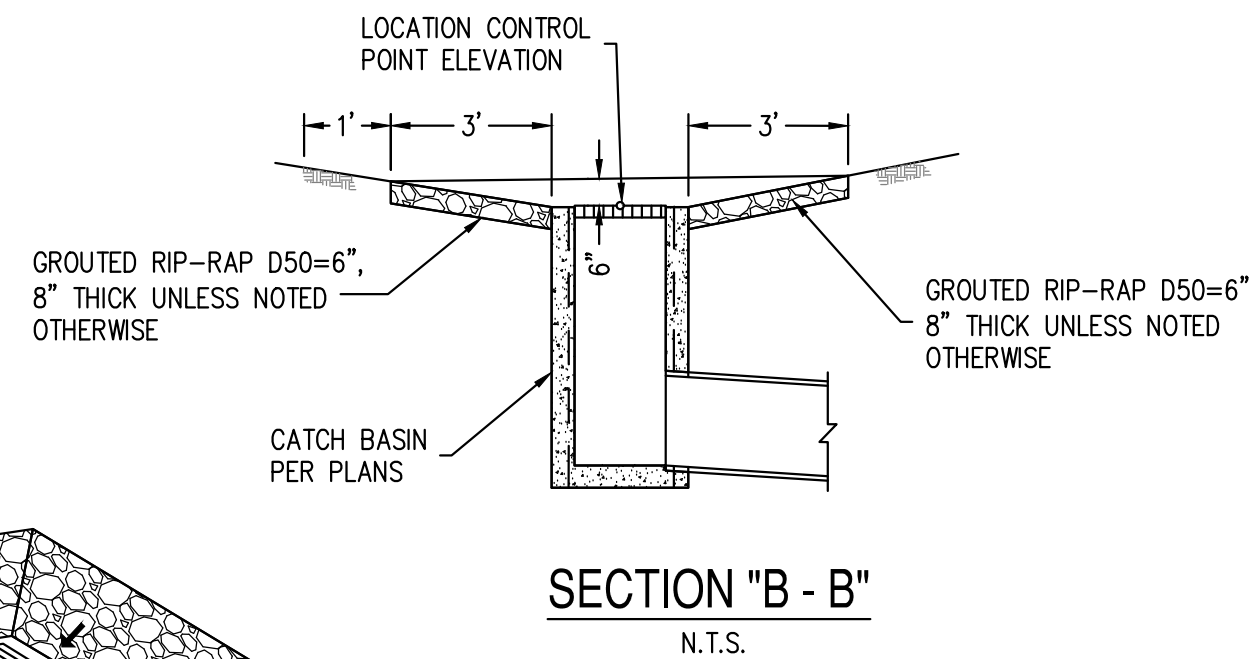
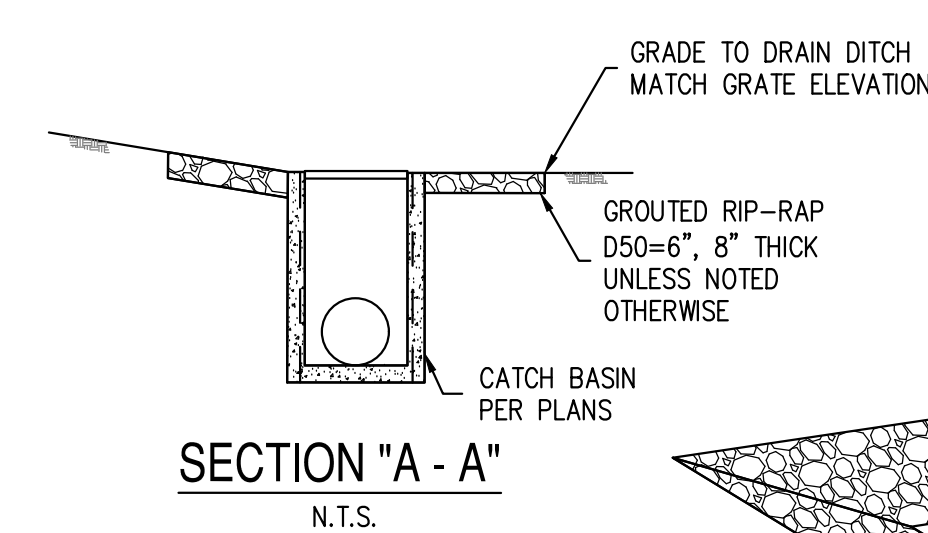
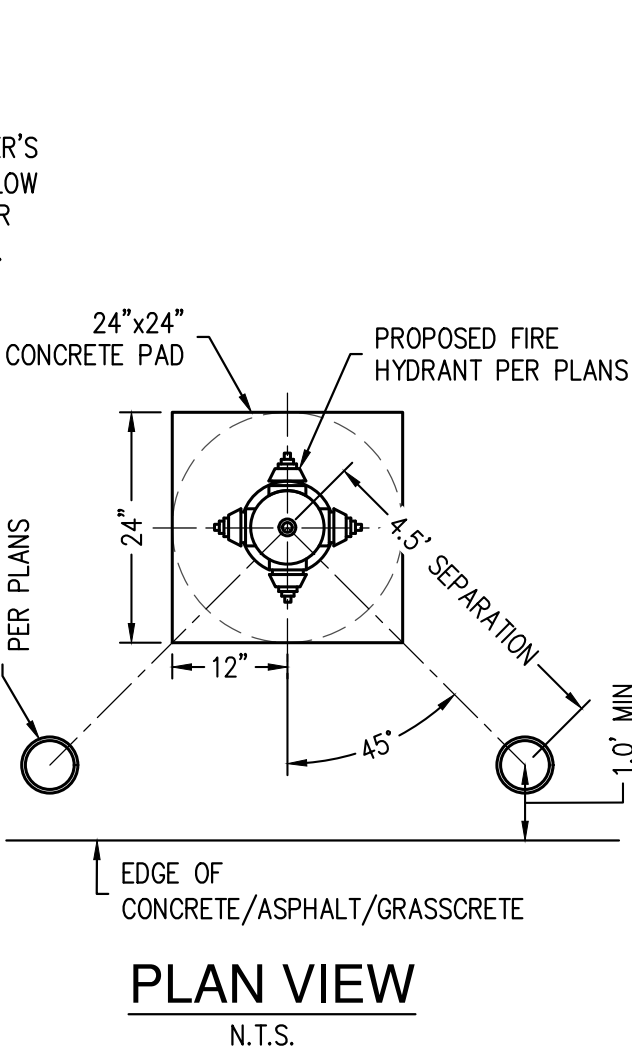
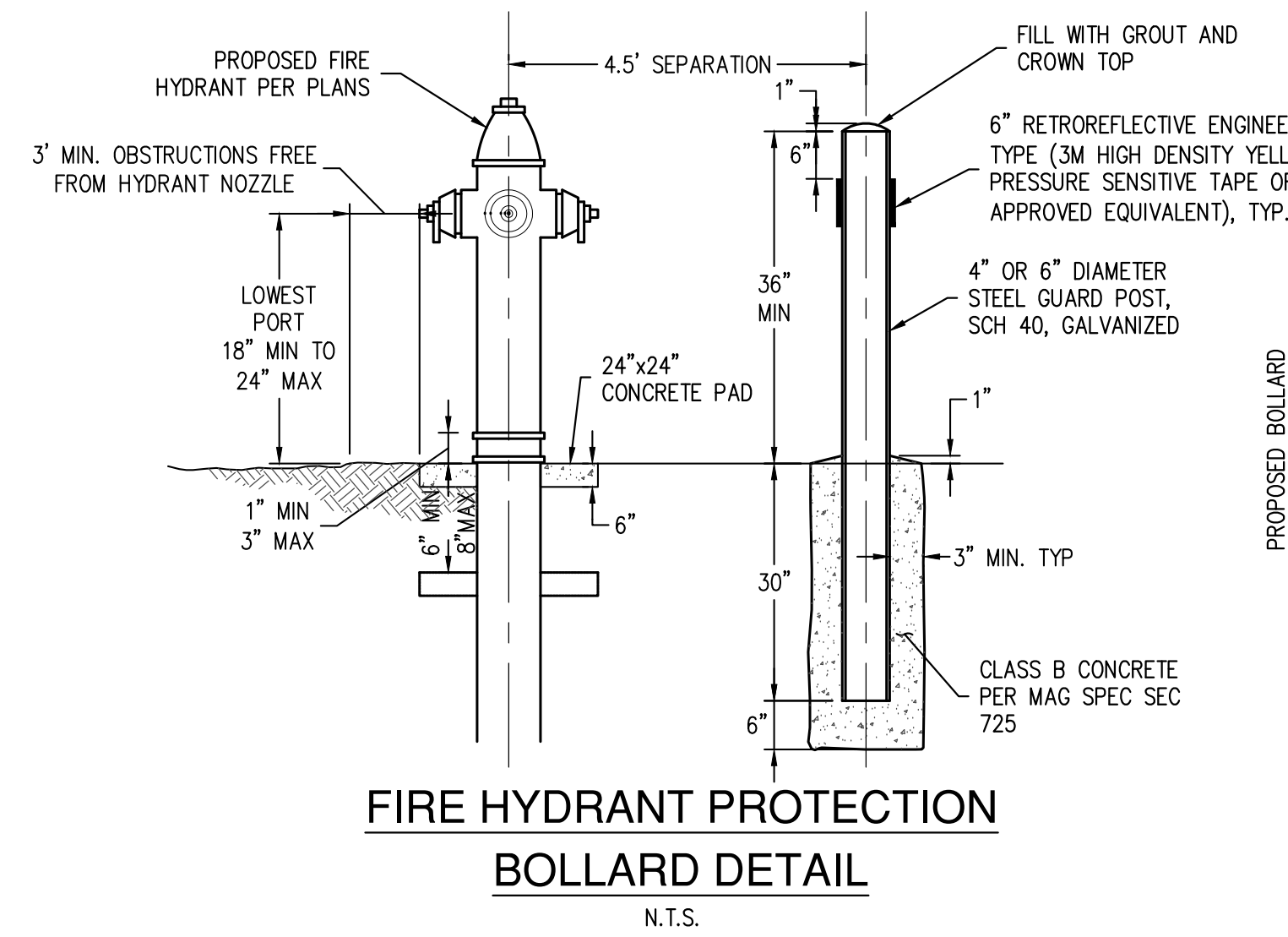
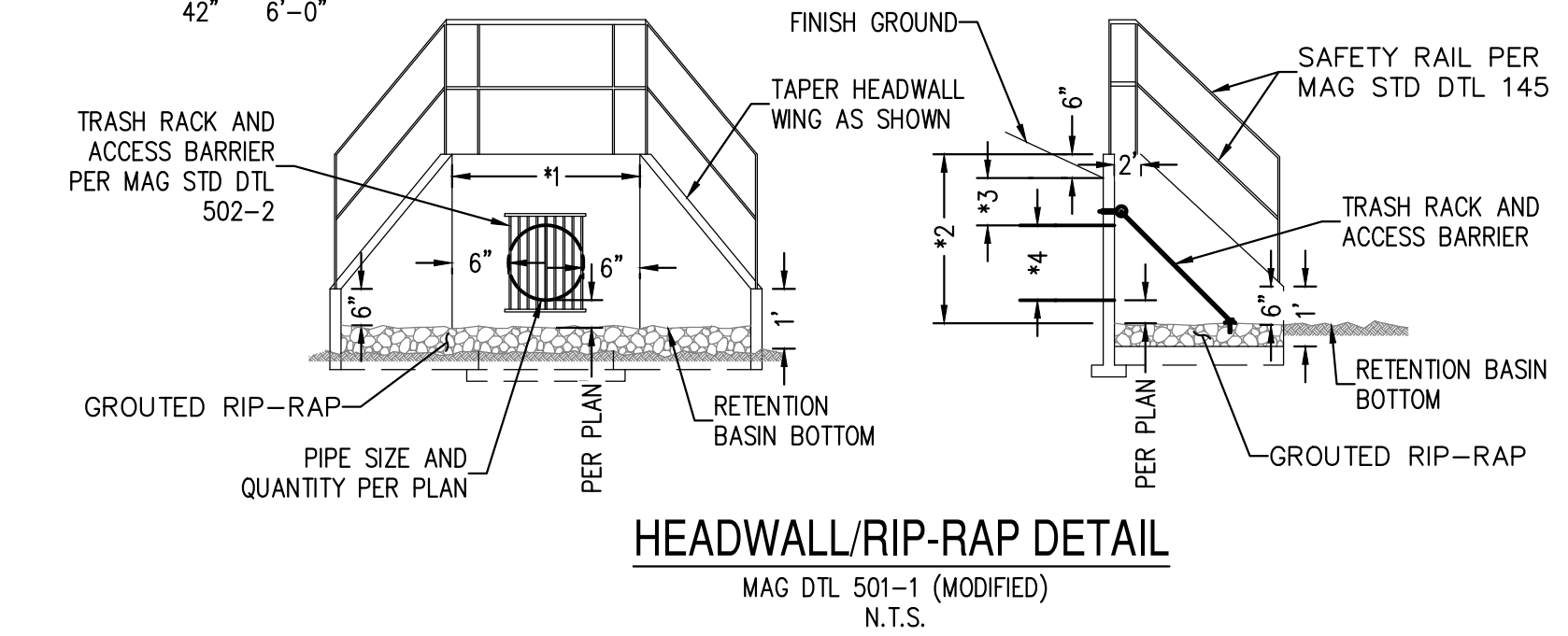
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Scottsdale Unified School District
Cherokee Elementary School Replacement
8801 N 56th Street, Paradise Valley, AZ 85263

| CLIENT CONTACT</ |
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| NOMINAL PIPE SIZE | WING LENGTH |
|-------------------|-------------|
| 12" | 3'-4" |
| 15" | 4'-0" |
| 18" | 4'-0" |
| 21" | 4'-8" |
| 24" | 4'-8" |
| 30" | 4'-8" |
| 36" | 5'-4" |
| 42" | 6'-0" |



1. 1/2" THICK STEEL DIAMOND PLATE ASTM A-36. STEEL DIAMOND PLATE SHALL BE PRIMED AND PAINTED (2 COATS MIN.) WITH A HIGH GLOSS HEAVY DUTY INDUSTRIAL ENAMEL PAINT W/ UV INHIBITORS.
2. 12"x12" AND 1/2" THICK STEEL DIAMOND PLATE ASTM A-36 WITH 1" DIAMETER PERFORATIONS (TOTAL OF 36). STEEL DIAMOND PLATE SHALL BE PRIMED AND PAINTED (2 COATS MIN.) WITH A HIGH GLOSS HEAVY DUTY INDUSTRIAL ENAMEL PAINT W/ UV INHIBITORS.
3. STEEL DIAMOND PLATE SHALL BE DELIVERED AS ONE PIECE, CONFORMING TO THE REQUIRED SCUPPER DIMENSIONS. PLATES SHALL NOT BE SPLICED.

FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING

FLEXSTORM PURE INLET FILTERS FOR ROUND OPENINGS

| Step Thru Opening Size (in) | Minimum Bypass Flow Rate (GPM) | Retention (inches) |
|-----------------------------|--------------------------------|--------------------|
| Small: 10" x 10" | 4000 | 1.5 |
| Medium: 12" x 12" | 6000 | 1.5 |
| Large: 15" x 15" | 8000 | 1.5 |

FLEXSTORM PURE WALL MOUNT INLET FILTERS FOR OPEN THROAT GUTTERS

| Step Thru Opening Size (in) | Minimum Bypass Flow Rate (GPM) | Retention (inches) |
|-----------------------------|--------------------------------|--------------------|
| Small: 10" x 10" | 4000 | 1.5 |
| Medium: 12" x 12" | 6000 | 1.5 |
| Large: 15" x 15" | 8000 | 1.5 |

FLEXSTORM PURE INLET FILTERS FOR COMBINATION INLETS

| Step Thru Opening Size (in) | Minimum Bypass Flow Rate (GPM) | Retention (inches) |
|-----------------------------|--------------------------------|--------------------|
| Small: 10" x 10" | 4000 | 1.5 |
| Medium: 12" x 12" | 6000 | 1.5 |
| Large: 15" x 15" | 8000 | 1.5 |

FLEXSTORM PURE INLET FILTERS FOR RECTANGULAR OPENINGS WITH GRATES

| Step Thru Opening Size (in) | Minimum Bypass Flow Rate (GPM) | Retention (inches) |
|-----------------------------|--------------------------------|--------------------|
| Small: 10" x 10" | 4000 | 1.5 |
| Medium: 12" x 12" | 6000 | 1.5 |
| Large: 15" x 15" | 8000 | 1.5 |

CREATE YOUR BAGS FLEXSTORM PART NUMBER BY COMBINING FRAME AND BAG P/N

1. IDENTIFY YOUR FLEXSTORM FRAME PART NUMBER FROM TABLES ABOVE

2. SELECT YOUR BAGS PART NUMBER BASED ON APPLICATION NEEDS

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:

1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER INTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC.
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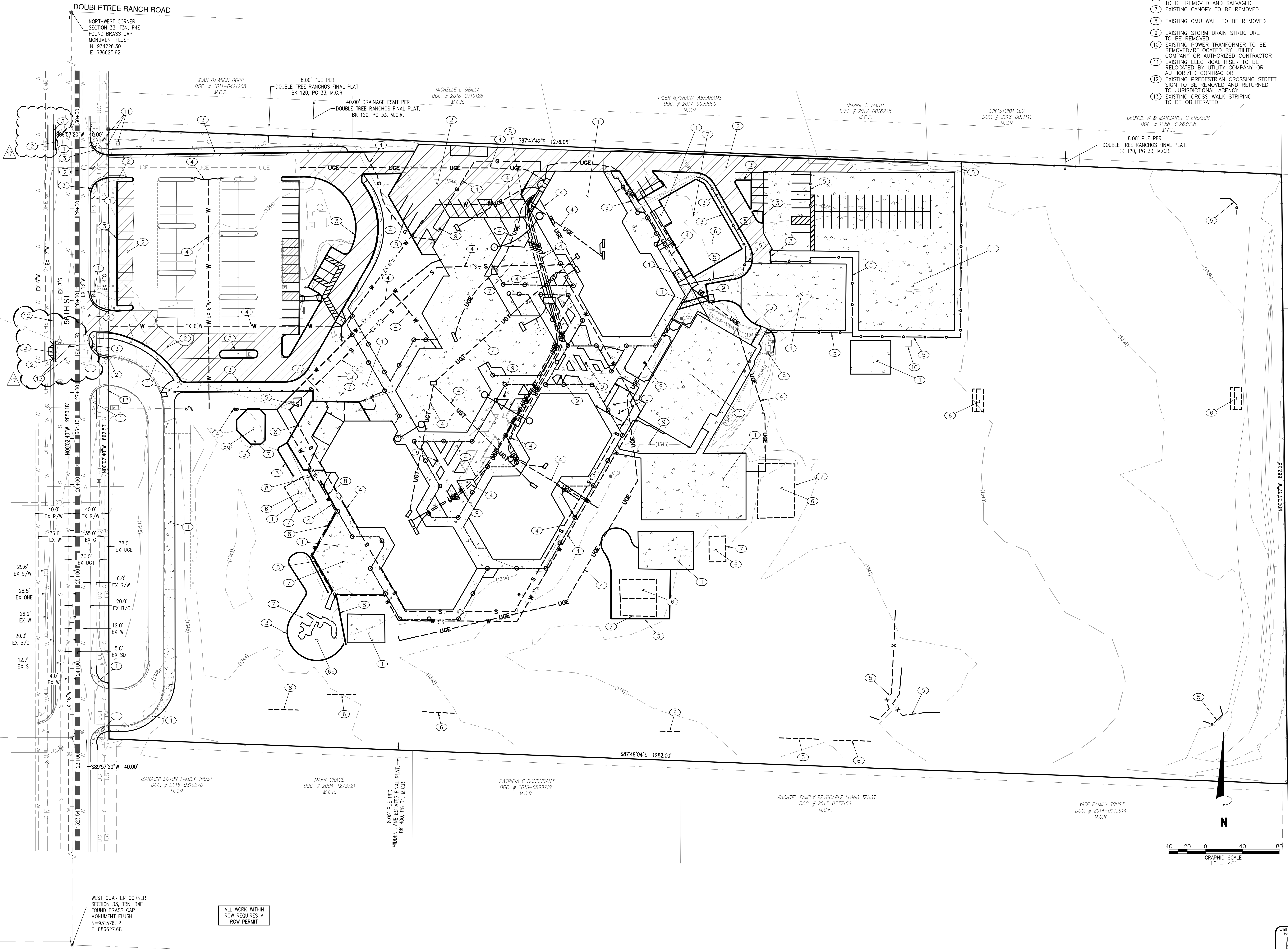
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Cherokee Elementary School Replacement

8801 N 56th Street, Paradise Valley, AZ 85253

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| CLIENT CONTACT | |
| Dennis Roehler 9288 E. San Salvador Dr. Scottsdale, AZ 85258 480.484.8503 | |
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| 17 | 01.12.21 |
| PROJECT TEAM | |
| BOWMAN LGR | |
| PROJECT PHASE | |
| PERMIT SET | |
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| GENERAL DETAILS | |
| SHEET | |
| SHEET NO. | |



- DEMOLITION NOTES**
- EXISTING BUILDING AND SIDEWALK TO BE DEMOLISHED AND REMOVED
 - EXISTING ASPHALT TO BE SAWCUT TO A NEAT EDGE AND REMOVED
 - SAWCUT EXISTING CONCRETE, CURB AND GUTTER TO A NEAT EDGE AND REMOVE
 - EXISTING UNDERGROUND UTILITIES TO BE REMOVED OR ABANDONED IN PLACE PER MAG SPEC 250
 - EXISTING FENCE TO BE REMOVED
 - EXISTING PLAYGROUND STRUCTURE TO BE REMOVED
 - EXISTING PLAYGROUND STRUCTURE TO BE REMOVED AND SALVAGED
 - EXISTING CANOPY TO BE REMOVED
 - EXISTING CMU WALL TO BE REMOVED
 - EXISTING STORM DRAIN STRUCTURE TO BE REMOVED
 - EXISTING POWER TRANSFORMER TO BE REMOVED/RELOCATED BY UTILITY COMPANY OR AUTHORIZED CONTRACTOR
 - EXISTING ELECTRICAL RISER TO BE RELOCATED BY UTILITY COMPANY OR AUTHORIZED CONTRACTOR
 - EXISTING PREDESTRIAN CROSSING STREET SIGN TO BE REMOVED AND RETURNED TO JURISDICTIONAL AGENCY
 - EXISTING CROSS WALK STRIPING TO BE OBLITERATED

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Scottsdale Unified School District
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PROJECT TEAM BOWMAN
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SHEET CONTENTS

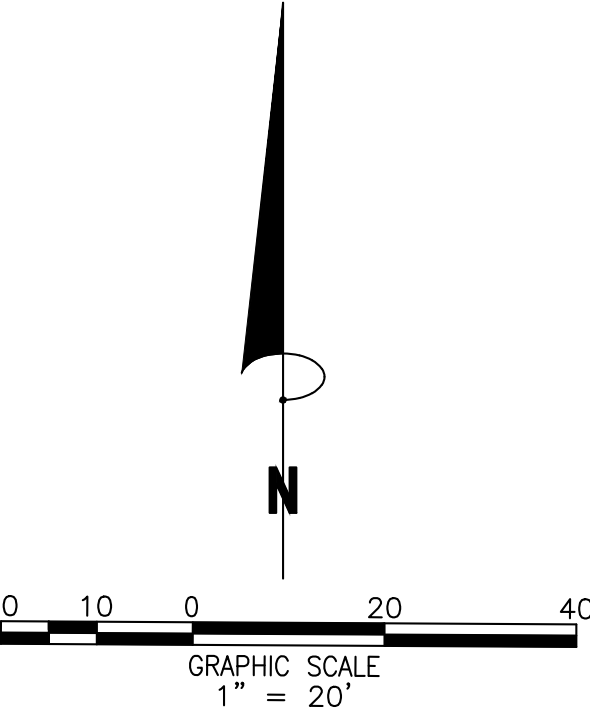
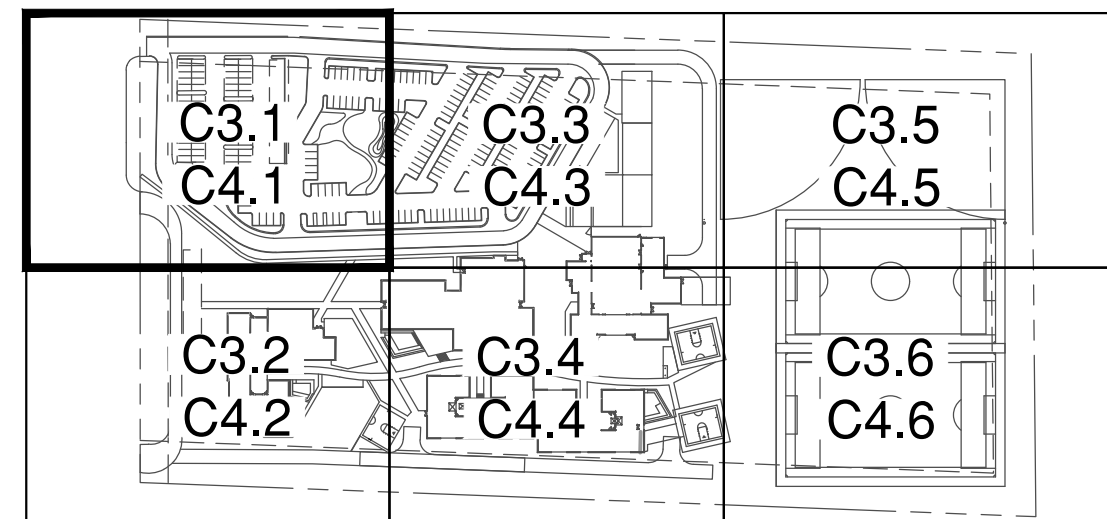
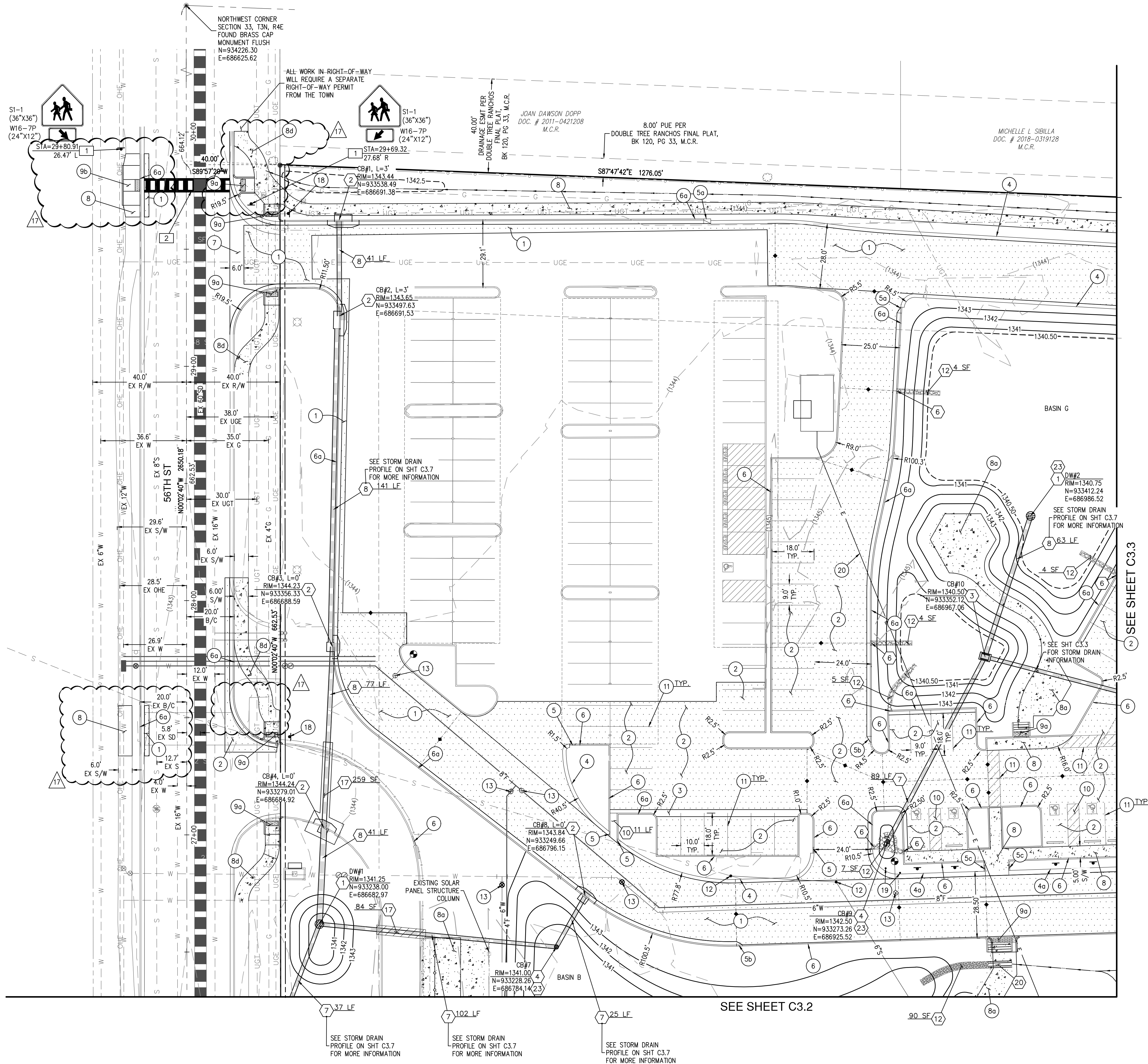
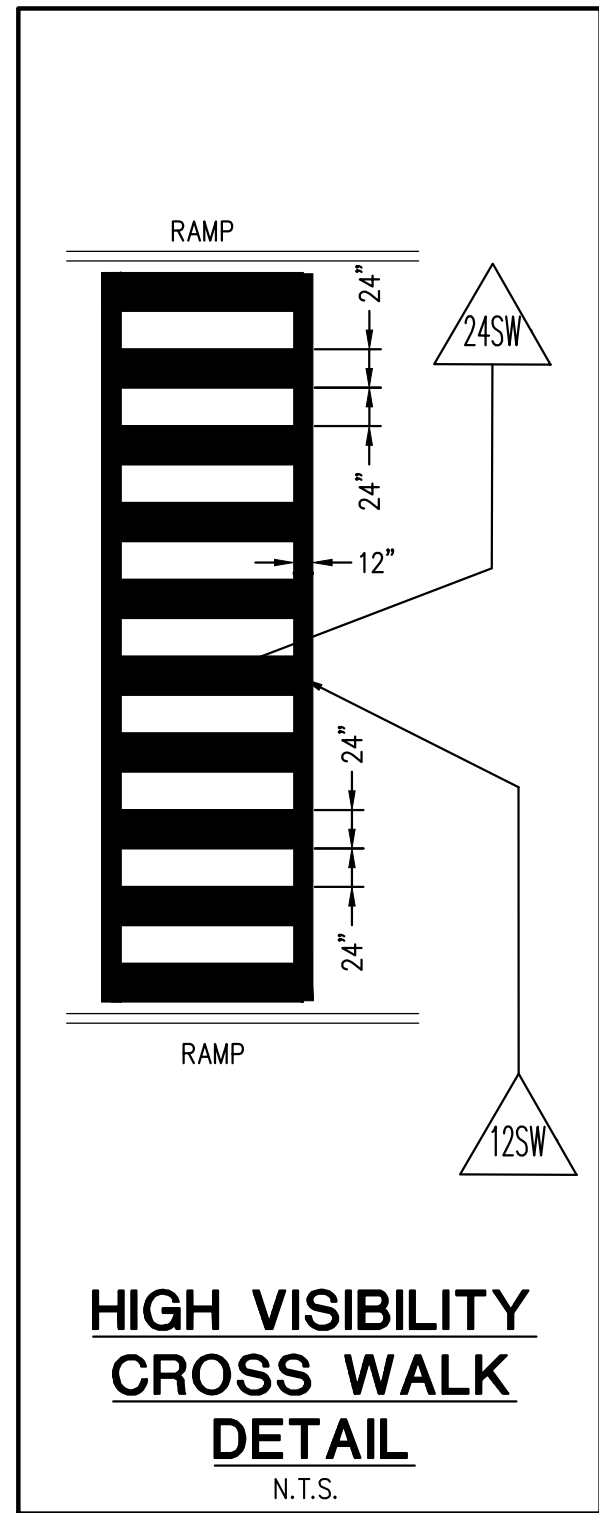
DEMOLITION PLAN

SHEET NO.

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SHT 04 OF 23





- PAVING CONSTRUCTION NOTES**
- INSTALL 3" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#1 ON SHT C1.2
 - INSTALL 2" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#2 ON SHT C1.2
 - INSTALL 3" VALLEY GUTTER PER MAG STD DTL 240
 - INSTALL 18" WIDE RIBBON CURB PER MAG STD DTL 220-1, TYPE B (MODIFIED WIDTH)
 - INSTALL 4" ROLL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE C
 - INSTALL SINGLE CURB TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
 - INSTALL VERTICAL CURB AND GUTTER TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
 - INSTALL VERTICAL CURB AND GUTTER TO SINGLE CURB TRANSITION PER DTL ON SHT C1.2
 - INSTALL SINGLE CURB TO ROLL CURB TRANSITION PER DTL ON SHT C1.2
 - INSTALL 6" VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE A
 - INSTALL 6" VALLEY GUTTER AND APRON PER MAG STD DTL 240
 - INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
 - HARDSCAPE: SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
 - INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) COLOR SHALL BE SAN DIEGO BUFF OR APPROVED EQUAL
 - INSTALL SIDEWALK RAMP PER DETAIL 41 ON SHT C1.3
 - INSTALL SIDEWALK RAMP PER MAG STD DTL 238-2
 - INSTALL ACCESSIBLE PARKING STALL WITH WHEEL STOP, SIGNS AND STRIPING PER DTL ON SHT C1.3. PARKING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
 - INSTALL 4" WIDE PAINT STRIP
 - ADJUST CLEANOUT FRAME AND COVER PER MAG STD DTL 270
 - ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270
 - INSTALL R1-1 30"x30" STOP SIGN PER MUTCD STDS. SIGN POST AND BASE PER MAG STD DTL 131 TYPE B
 - INSTALL 4" FIRE HYDRANT PROTECTION BOLLARD PER MAG STD DTL 140 TYPE 1 AND DTL ON SHT C1.3
 - UNDERGROUND ELECTRICAL SLEEVE, SEE ELECTRICAL PLANS FOR MORE INFO
 - STORM DRAIN CONSTRUCTION NOTES**
 - INSTALL MAXWELL IV DRYWELL PER DTL ON SHT C4.8
 - INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 533-1
 - INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 535
 - INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
 - INSTALL 1" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
 - INSTALL 15" HDPE STORM DRAIN PIPE
 - INSTALL 18" HDPE STORM DRAIN PIPE
 - INSTALL 3" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
 - INSTALL GROUTED RIP-RAP EROSION CONTROL 600-8, 8" MIN THICKNESS
 - SAWCUT TO A NEAT EDGE, REMOVE AND REPLACE EXISTING ASPHALT, CURB, GUTTER, AND SIDEWALK IN KIND PER MAG STD DTL 200-1.1 TOP TRENCH. REPAIR 3" MIN THICKNESS OR MATCH EXISTING WHICHEVER IS GREATER. USE FULL DEPTH ABC.
 - INSTALL SIDEWALK SCUPPER PER DTL ON SHT C1.3
 - INSTALL FLEX STORM PURE INLET FILTER LL (LITTER AND LEAF BAG 22" DEPTH) PER DTL ON SHT C1.3
 - SIGNING AND STRIPING CONSTRUCTION NOTES**
 - INSTALL STREET SIGN PER MUTCD STDS MOUNTED ON A GALVANIZED PIPE POST PER MAG STD DTL 131 TYPE B
 - INSTALL HIGH VISIBILITY LONGITUDINAL MARKING CROSSWALK PER DTL ON THIS SHEET

Scottsdale Unified School District

Cherokee Elementary School Replacement

8801 N 56th Street, Paradise Valley, AZ 85263

| | |
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| SHEET CONTENTS | |
| PAVING PLAN | |
| SHEET NO. | |

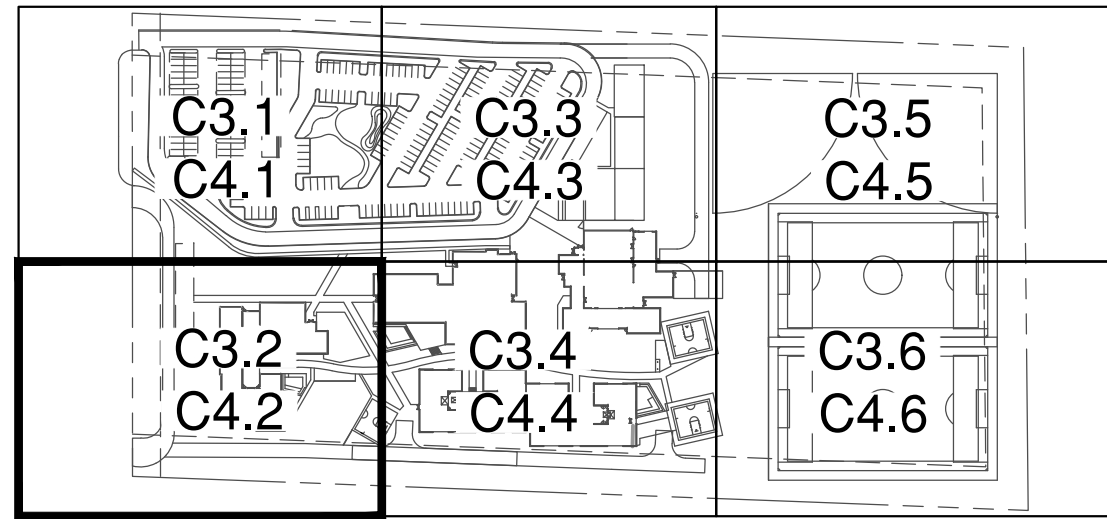
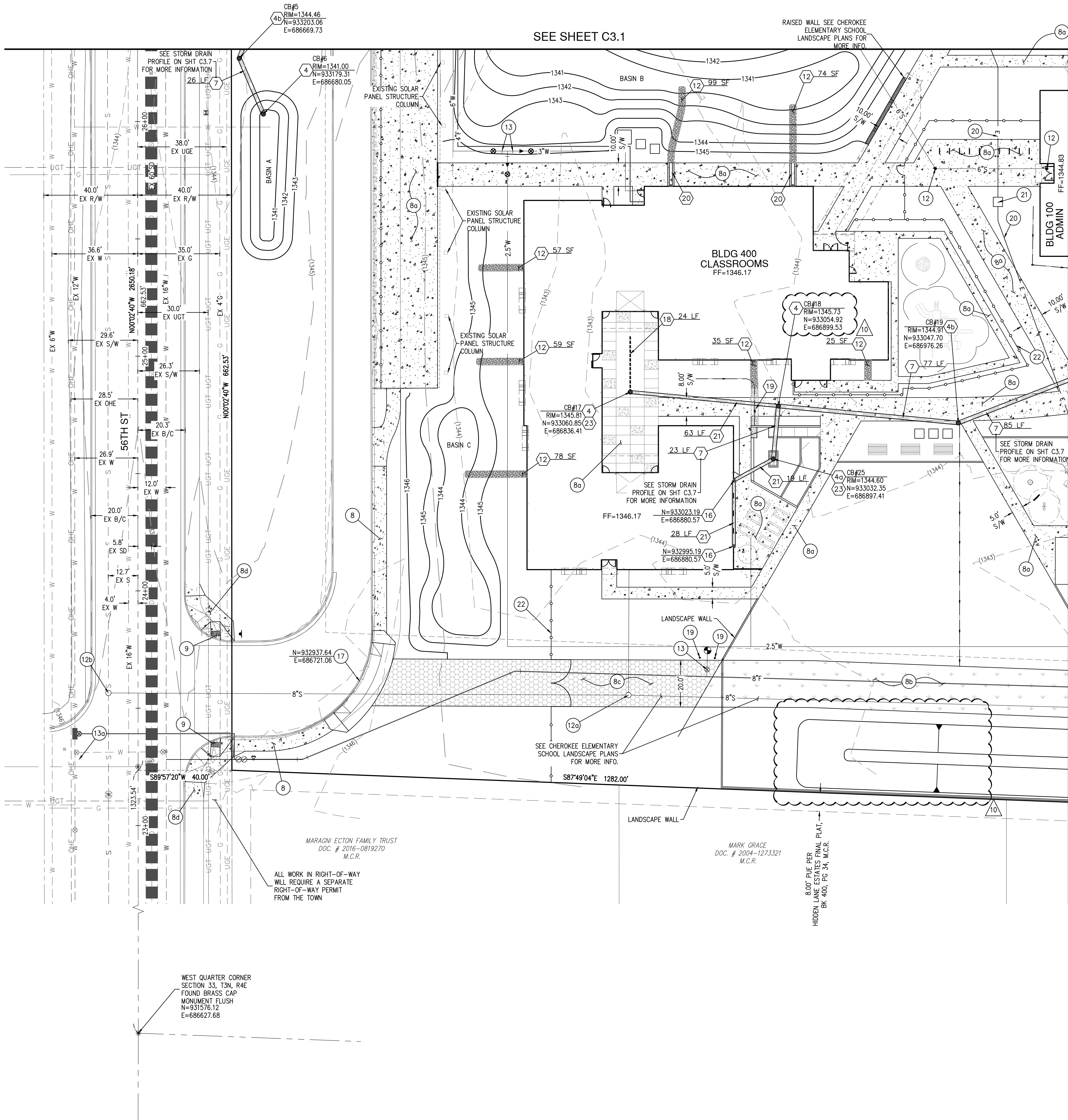
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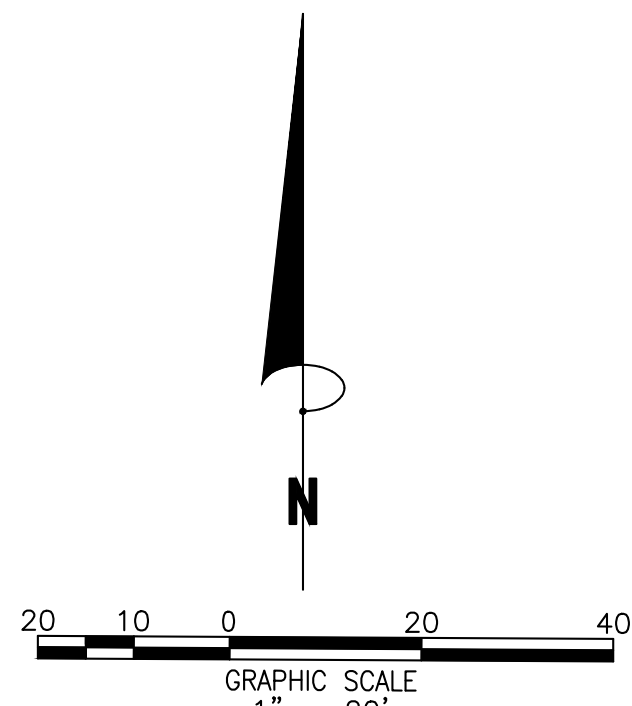
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Email: info@bowmanconsulting.com



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KEY MAP
N.T.S.



- PAVING CONSTRUCTION NOTES
- 8 INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
 - 8a HARDSCAPE, SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
 - 8b INSTALL GRASSPAVE2 FIRE LANE PER SECTION#3 ON SHT C1.2
 - 8c INSTALL DG FIRE LANE PER SECTION#4 ON SHT C1.2
 - 8d INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) COLOR SHALL BE SAN DIEGO BUFF OR APPROVED EQUAL
 - 9 INSTALL SIDEWALK RAMP PER MAG STD DTL 237-3
 - 12 ADJUST CLEANOUT FRAME AND COVER PER MAG STD DTL 270
 - 12a ADJUST MANHOLE FRAME AND COVER PER MAG STD DTL 422
 - 12b ADJUST MANHOLE FRAME AND COVER PER MAG STD DTL 422, CONCRETE COLLAR SHALL BE BLACK CONCRETE
 - 13 ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270
 - 13a ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270, CONCRETE COLLAR SHALL BE BLACK CONCRETE
 - 17 INSTALL 25' COMMERCIAL DRIVEWAY PER MAG STD DTL 250-2
 - 19 INSTALL 4" FIRE HYDRANT PROTECTION BOLLARD PER MAG STD DTL 140 TYPE 1 AND DTL ON SHT C1.3
 - 20 UNDERGROUND ELECTRICAL SLEEVE, SEE ELECTRICAL PLANS FOR MORE INFO
 - 21 UNDERGROUND ELECTRICAL RISER, SEE ELECTRICAL PLANS FOR MORE INFO
 - 22 INSTALL SAFETY FENCE, SEE ARCHITECTURAL PLANS FOR MORE INFO
 - 4 STORM DRAIN CONSTRUCTION NOTES
 - 4a INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
 - 4b INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" PEDESTRIAN H-10 GRATE
 - 4b INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" SOLID H-20 GRATE
 - 7 INSTALL 15" HDPE STORM DRAIN PIPE
 - 12 INSTALL GROUTED RIP-RAP EROSION CONTROL D50=6", 8" MIN THICKNESS
 - 16 INSTALL ROOF DRAIN INLET WITH TEE CLEANOUT PER DTL ON SHT C1.3
 - 18 INSTALL 4" FRENCH DRAIN PER DTL ON SHT C1.3
 - 19 INSTALL SIDEWALK SCUPPER PER LANDSCAPE PLANS
 - 20 INSTALL SIDEWALK SCUPPER PER DTL ON SHT C1.3
 - 21 INSTALL 12" HDPE STORM DRAIN PIPE
 - 23 INSTALL FLEX STORM PURE INLET FILTER LL (LITTERAND LEAF BAG 22" DEPTH) PER DTL ON SHT C1.3

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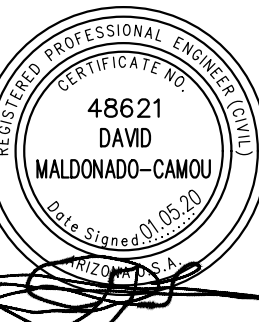
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PROJECT PHASE
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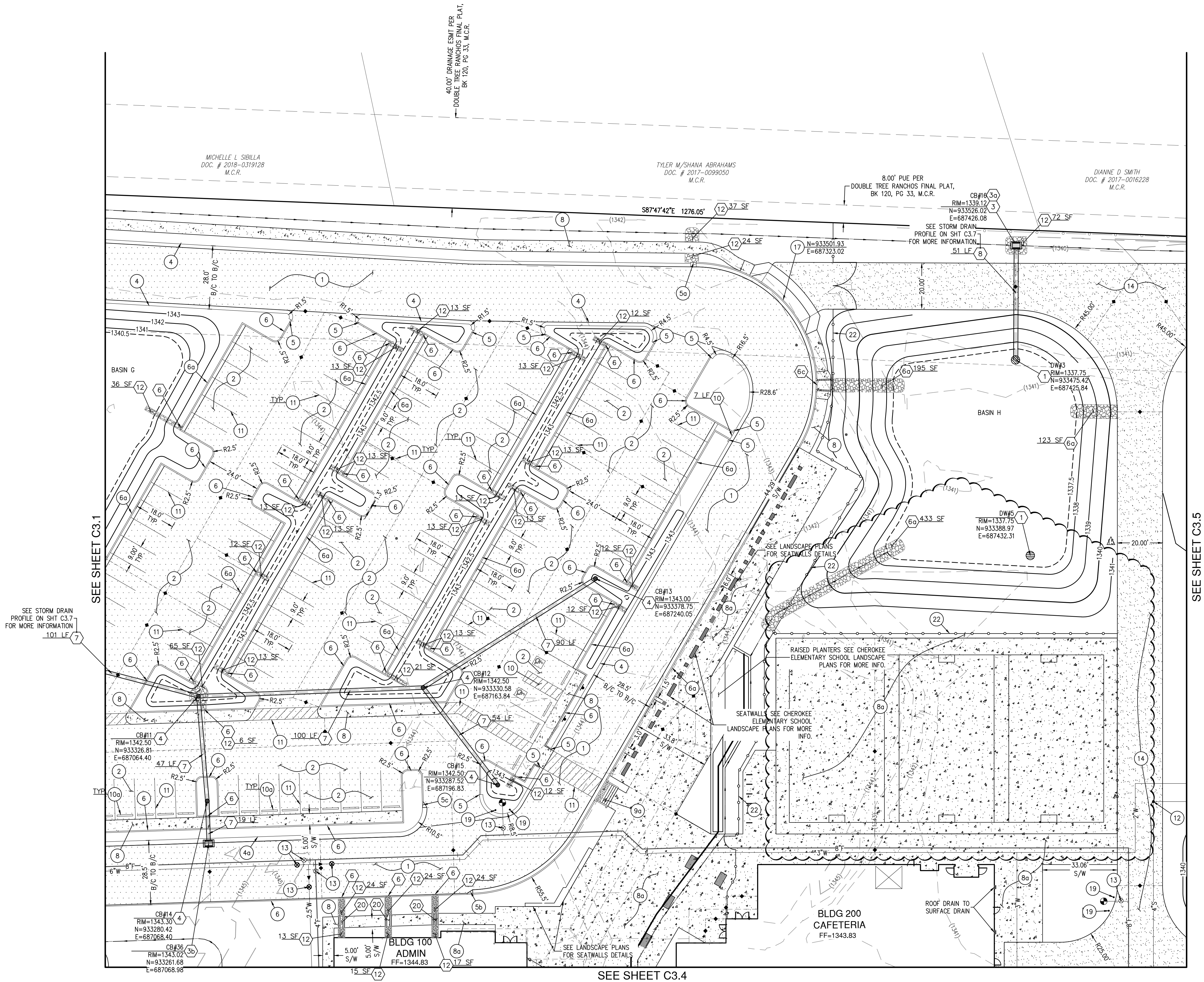
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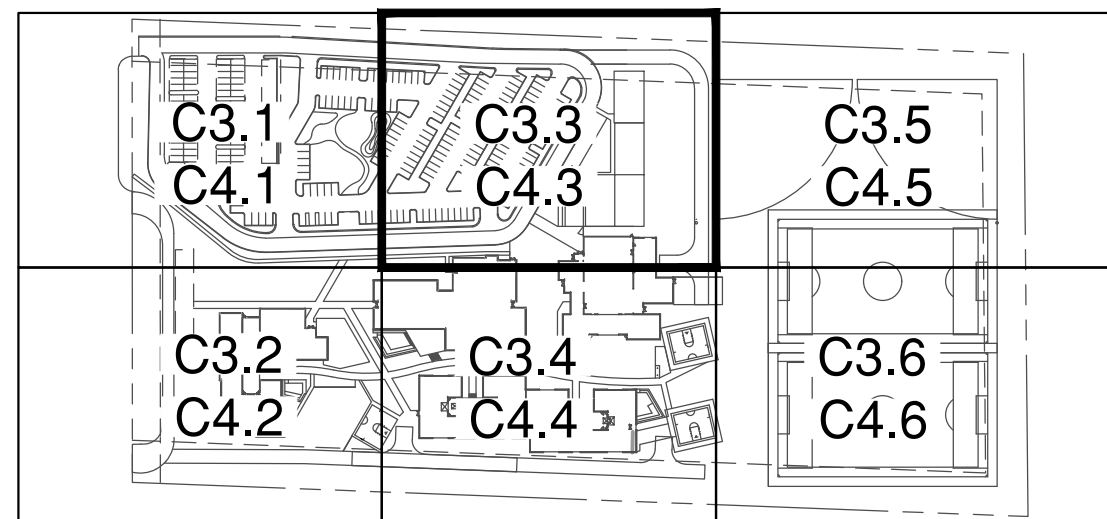


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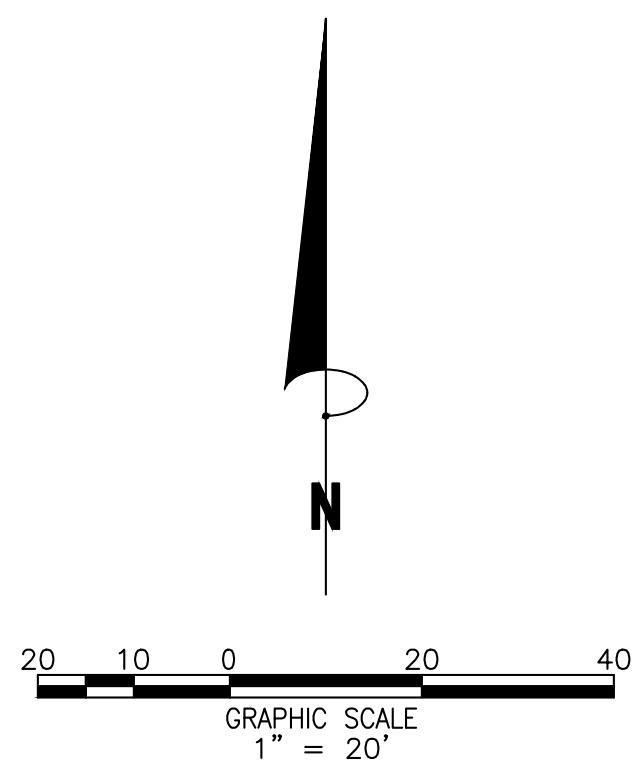
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- PAVING CONSTRUCTION NOTES
1. INSTALL 3" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#1 ON SHT C1.2
 2. INSTALL 2" AC OVER 6" ABC PER ASPHALTIC PAVEMENT SECTION#2 ON SHT C1.2
 4. INSTALL 18" WIDE RIBBON CURB PER MAG STD DTL 220-1, TYPE B (MODIFIED WIDTH)
 - 4a. INSTALL 4" ROLL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE C
 5. INSTALL SINGLE CURB TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
 - 5a. INSTALL VERTICAL CURB AND GUTTER TO RIBBON CURB TRANSITION PER DTL ON SHT C1.2
 - 5b. INSTALL VERTICAL CURB AND GUTTER TO SINGLE CURB TRANSITION PER DTL ON SHT C1.2
 - 5c. INSTALL SINGLE CURB TO ROLL CURB TRANSITION PER DTL ON SHT C1.2
 6. INSTALL 6" SINGLE CURB PER MAG STD DTL 222, TYPE A
 - 6a. INSTALL 6" VERTICAL CURB AND GUTTER PER MAG STD DTL 220-1, TYPE A
 8. INSTALL CONCRETE SIDEWALK PER MAG STD DTL 230 (WIDTH PER PLANS) SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION
 - 8a. HARDSCAPE, SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
 - 9a. INSTALL SIDEWALK RAMP PER DETAIL #1 ON SHT C1.3
 10. INSTALL ACCESSIBLE PARKING STALL WITH WHEEL STOP, SIGNS AND STRIPING PER DTL ON SHT C1.3, PARKING NOT TO EXCEED 2% SLOPE IN ANY DIRECTION
 - 10a. INSTALL CONCRETE WHEEL STOP PER DTL ON SHT C1.3
 11. INSTALL 4" WIDE PAINT STRIP
 12. ADJUST CLEANOUT FRAME AND COVER PER MAG STD DTL 270
 13. ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270
 14. INSTALL 6" CONCRETE PAVEMENT PER SECTION#3 ON SHT C1.2
 17. INSTALL 25" COMMERCIAL DRIVEWAY PER MAG STD DTL 250-2
 19. INSTALL 4" FIRE HYDRANT PROTECTION BOLLARD PER MAG STD DTL 140 TYPE 1 AND DTL ON SHT C1.3
 22. INSTALL SAFETY FENCE, SEE ARCHITECTURAL PLANS FOR MORE INFO
- STORM DRAIN CONSTRUCTION NOTES
1. INSTALL MAXWELL IV DRYWELL PER DTL ON SHT C4.8
 3. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 535
 - 3a. INSTALL GROUTED RIP-RAP APRON PER DTL ON SHT C1.3
 - 3b. INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 537
 4. INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
 6. INSTALL 1" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
 - 6a. INSTALL RIP-RAP SPILLWAY PER DTL ON SHT C1.2
 - 6c. INSTALL 4" CONCRETE SCUPPER PER MAG STD DTL 206
 7. INSTALL 15" HDPE STORM DRAIN PIPE
 8. INSTALL 18" HDPE STORM DRAIN PIPE
 10. INSTALL 3" CURB OPENING AND SPILLWAY PER DTL ON SHT C1.2
 12. INSTALL GROUTED RIP-RAP EROSION CONTROL D50=6", 8" MIN THICKNESS
 20. INSTALL SIDEWALK SCUPPER PER DTL ON SHT C1.3



KEY MAP
N.T.S.



Scottsdale Unified School District

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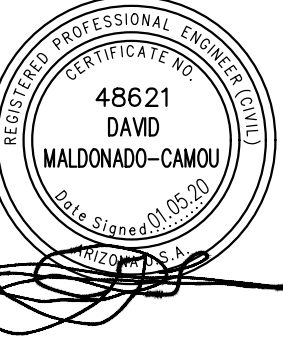
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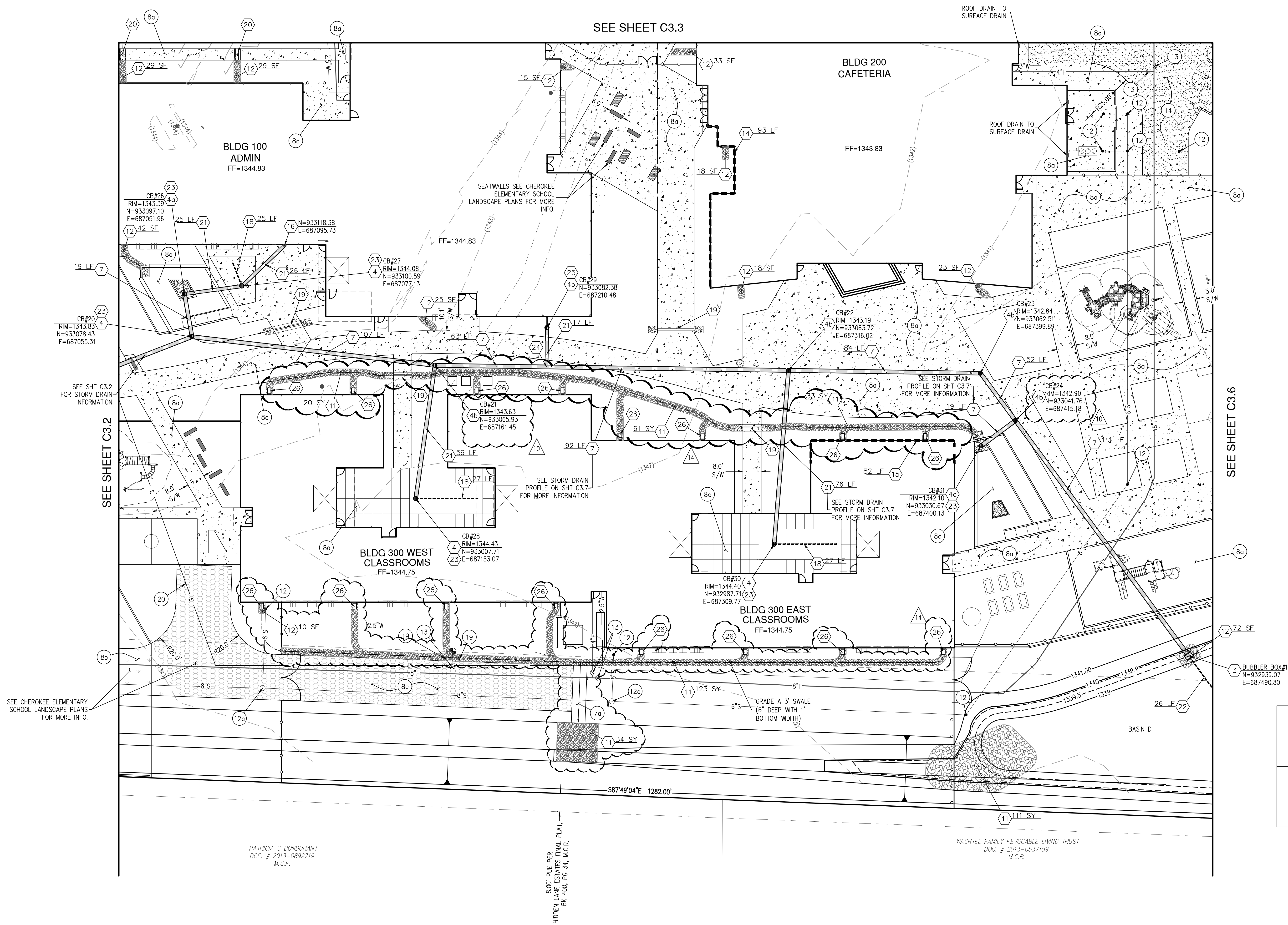
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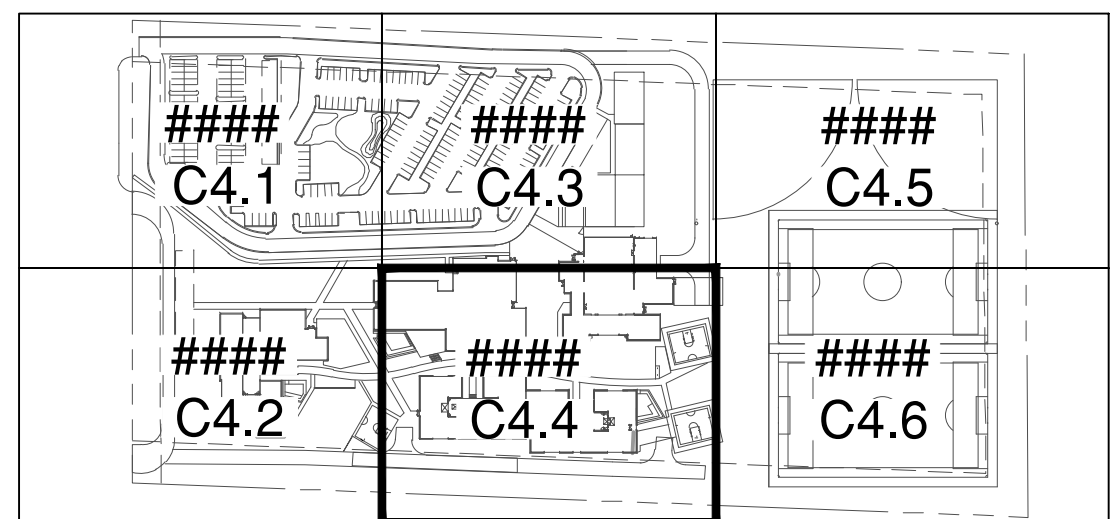
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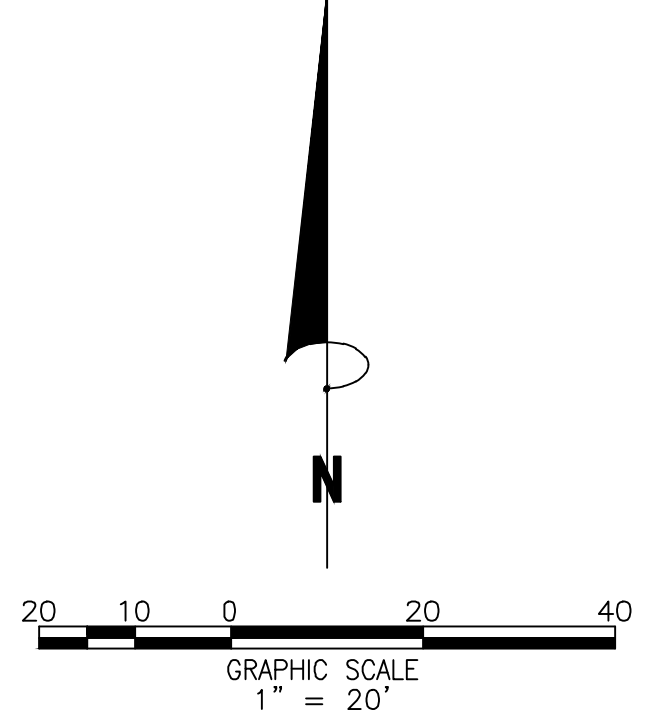
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Phone: 480.258.8833
Fax: 480.258.8834



- PAVING CONSTRUCTION NOTES**
- (70) INSTALL 6\"/>
 - (80) HARDSCAPE, SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
 - (86) INSTALL GRASSPAVE2 FIRE LANE PER SECTION#5 ON SHT C1.2
 - (86) INSTALL DG FIRE LANE PER SECTION#4 ON SHT C1.2
 - (12) ADJUST CLEANOUT FRAME AND COVER PER MAG STD DTL 270
 - (120) ADJUST MANHOLE FRAME AND COVER PER MAG STD DTL 422
 - (13) ADJUST WATER VALVE FRAME AND COVER PER MAG STD DTL 270
 - (14) INSTALL 6\"/>
 - (19) INSTALL 4\"/>
 - (20) UNDERGROUND ELECTRICAL SLEEVE, SEE ELECTRICAL PLANS FOR MORE INFO
 - STORM DRAIN CONSTRUCTION NOTES**
 - (3) INSTALL STORM DRAIN CATCH BASIN PER MAG STD DTL 535
 - (4) INSTALL 24\"/>
 - (40) STANDARD H-20 GRATE
 - (40) INSTALL 24\"/>
 - (40) PEDESTRIAN H-10 GRATE
 - (40) INSTALL 24\"/>
 - (40) STANDARD H-20 GRATE
 - (7) INSTALL 15\"/>
 - (11) INSTALL LOOSE RIP-RAP EROSION CONTROL D50=6\"/>
 - (12) INSTALL GROUDED RIP-RAP EROSION CONTROL D50=6\"/>
 - (14) INSTALL BUILDING STEM WALL, MIN TOP OF WALL ELEVATION AS SHOWN ON PLANS, SPECIAL CONDITION FOOTING, REFER TO STRUCTURAL PLANS FOR MORE INFO
 - (15) INSTALL BUILDING TURN DOWN FOOTING, MIN OF 0.5' OF COVER, SPECIAL CONDITION FOOTING, REFER TO STRUCTURAL PLANS FOR MORE INFORMATION
 - (16) INSTALL ROOF DRAIN INLET WITH TEE CLEANOUT PER DTL ON SHT C1.3
 - (18) INSTALL 4\"/>
 - (20) INSTALL SIDEWALK SCOUPEE PER LANDSCAPE PLANS
 - (21) INSTALL SIDEWALK SCOUPEE PER DTL ON SHT C1.3
 - (21) INSTALL 12\"/>
 - (22) INSTALL 6\"/>
 - (23) INSTALL FLEX STORM PURE INLET FILTER LL (LITTERAND LEAF BAG 22\"/>
 - (24) DTL ON SHT C1.3
 - (24) INSTALL 15\"/>
 - (25) BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
 - (26) INSTALL 36\"/>



KEY MAP
N.T.S.



Scottsdale Unified School District
Cherokee Elementary School Replacement
8801 N 56th Street, Paradise Valley, AZ 85253

CLIENT CONTACT
Dennis Roehler
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Scottsdale, AZ 85258
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PROJECT NO. 050641-01-001
DATE OF ISSUE 10.10.19

| REVISION NO. | DATE |
|--------------|----------|
| 1 | 12.10.19 |
| 10 | 03.25.20 |
| 12 | 05.15.20 |
| 14 | 07.15.20 |

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SHEET CONTENTS
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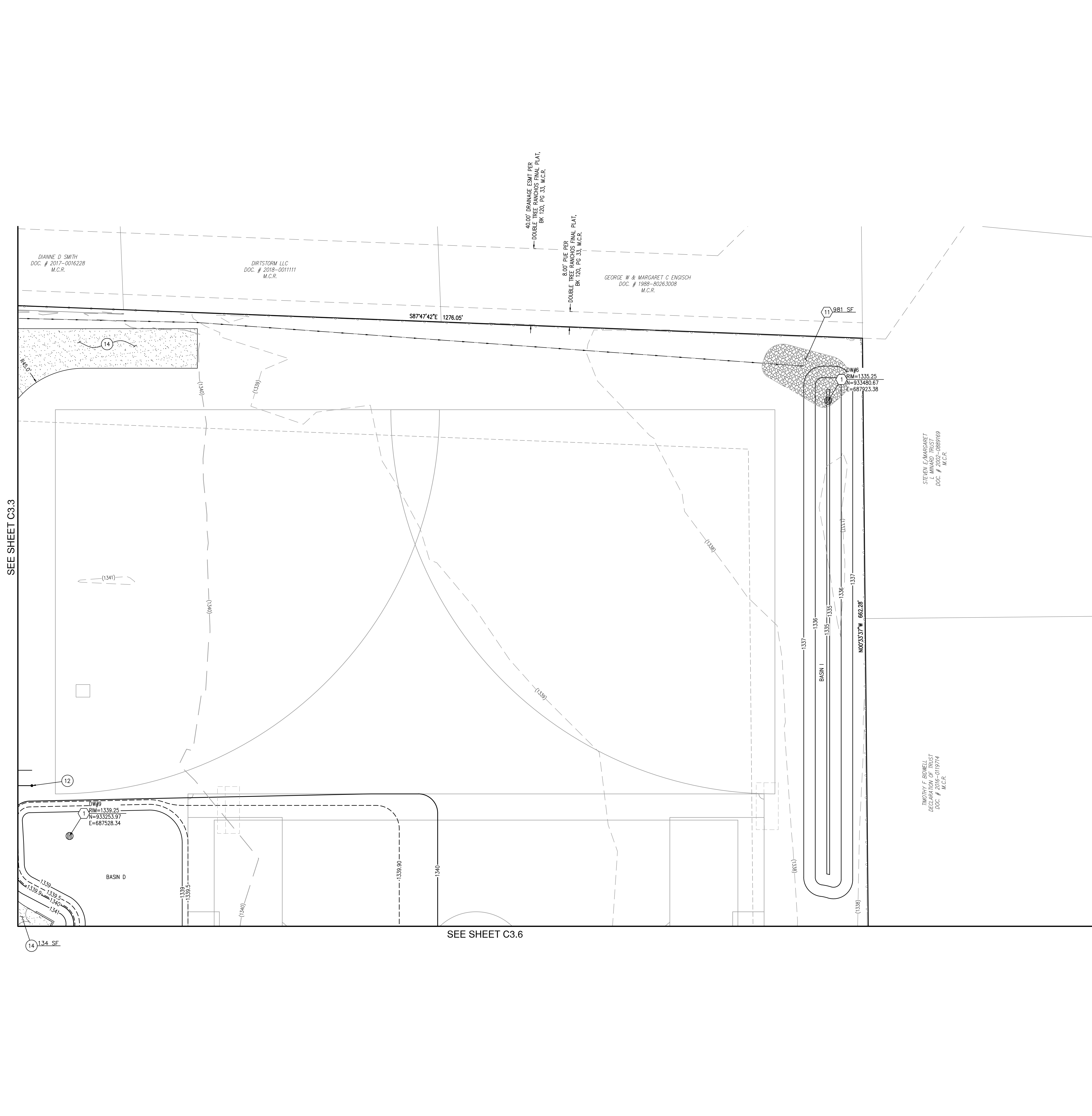
C3.4

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CONSTRUCTION NOTE
CLEANOUT FRAME AND
MAG. STD. DTL. 2
CONCRETE PAVEMENT
CONF.3 ON SHT C1.
IN CONSTRUCTION
WELLS IV DRYWELL
IN SHT C4.8
CLOSE RIP-RAP ER
2" MIN DEPTH WITH
DETECTION

C3.3
C4.3
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KEY MAP
N.T.S.

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Cherokee Elementary School Replacement

PROJECT CONTACT

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DATE

10/10/2014-01-001

VISION NO.

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DATE

12/10/2014

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Scottsdale Unified School District

**Cherokee Elementary School
Replacement**

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| △ | 12.10.17 |

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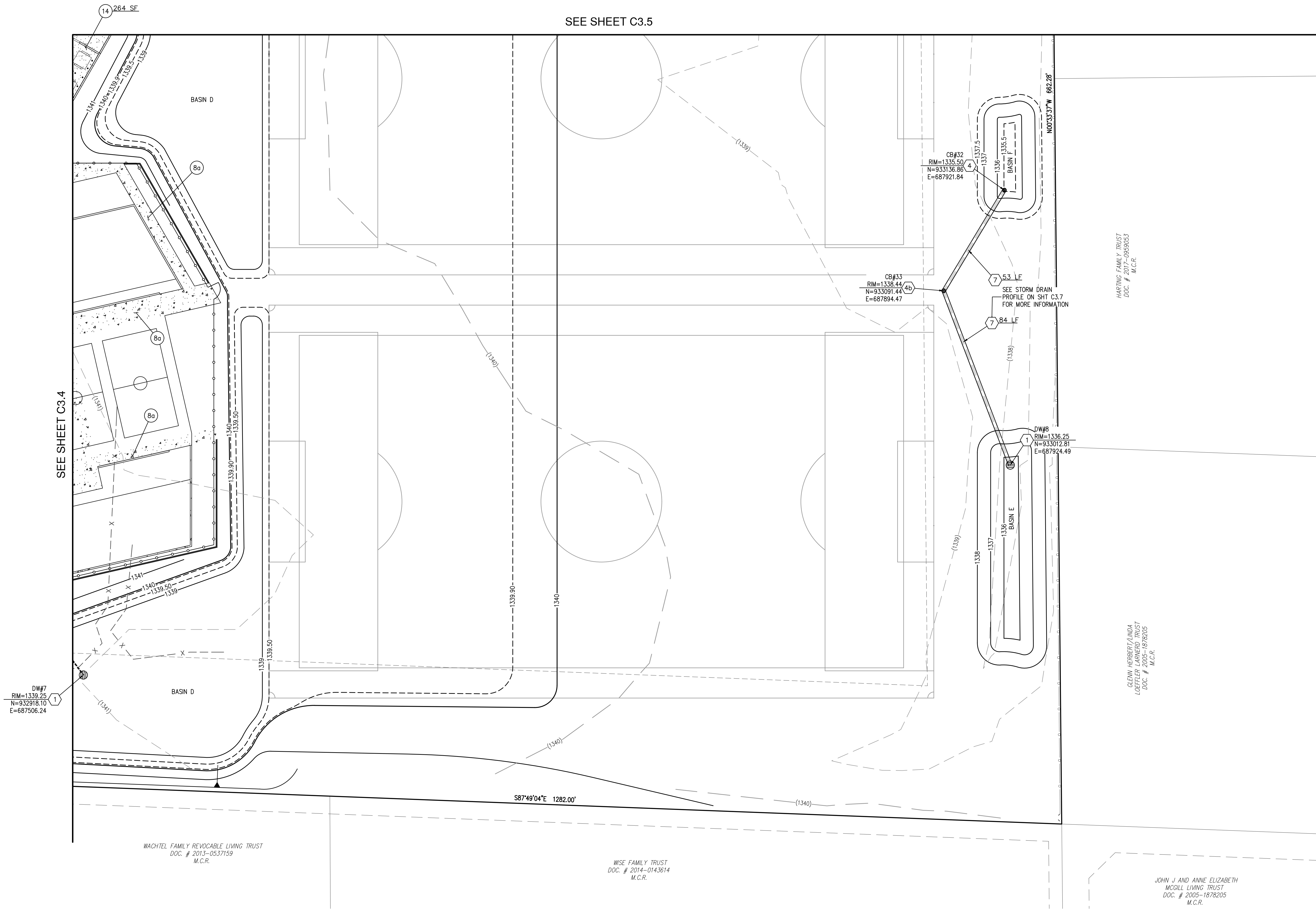
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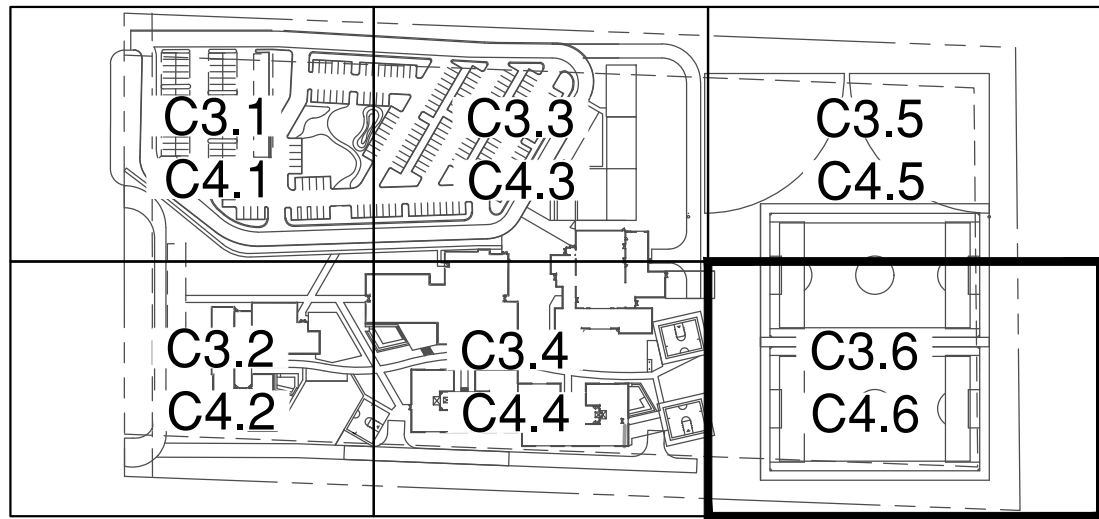
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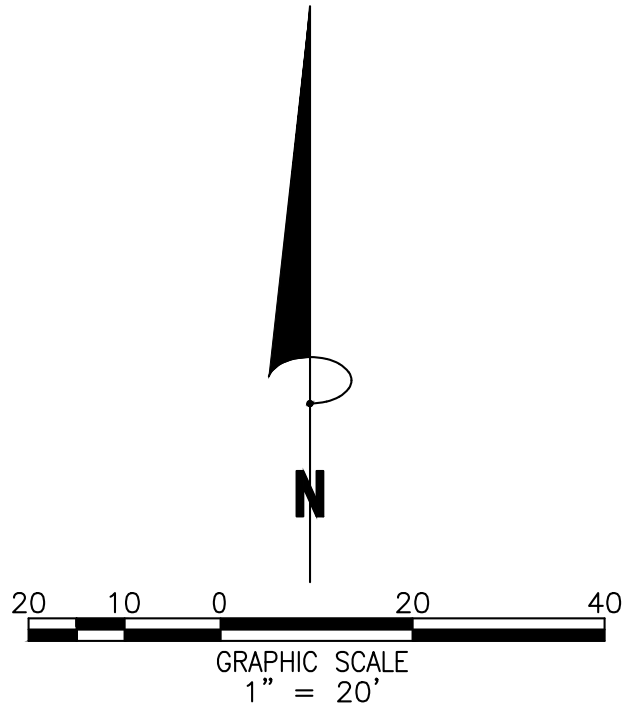
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ING PLAN
NO. C3.5



- PAVING CONSTRUCTION NOTES
8a HARDSCAPE: SEE ARCHITECTURAL PLANS FOR FINISH AND ADDITIONAL INFORMATION
14 INSTALL 6" CONCRETE PAVEMENT PER SECTION 3 ON SHT C1.2
STORM DRAIN CONSTRUCTION NOTES
1 INSTALL MAXWELL IV DRYWELL PER DTL ON SHT C4.8
4 INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" STANDARD H-20 GRATE
4b INSTALL 24" NYLOPLAST CATCH BASIN PER DTL ON SHT C4.8 WITH AN 18" SOLID H-20 GRATE
7b INSTALL 15" HDPE STORM DRAIN PIPE



KEY MAP
N.T.S.



Scottsdale Unified School District
Cherokee Elementary School Replacement
8801 N 56th Street, Paradise Valley, AZ 85253

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DATE OF ISSUE 10.10.19

REVISION NO. 1
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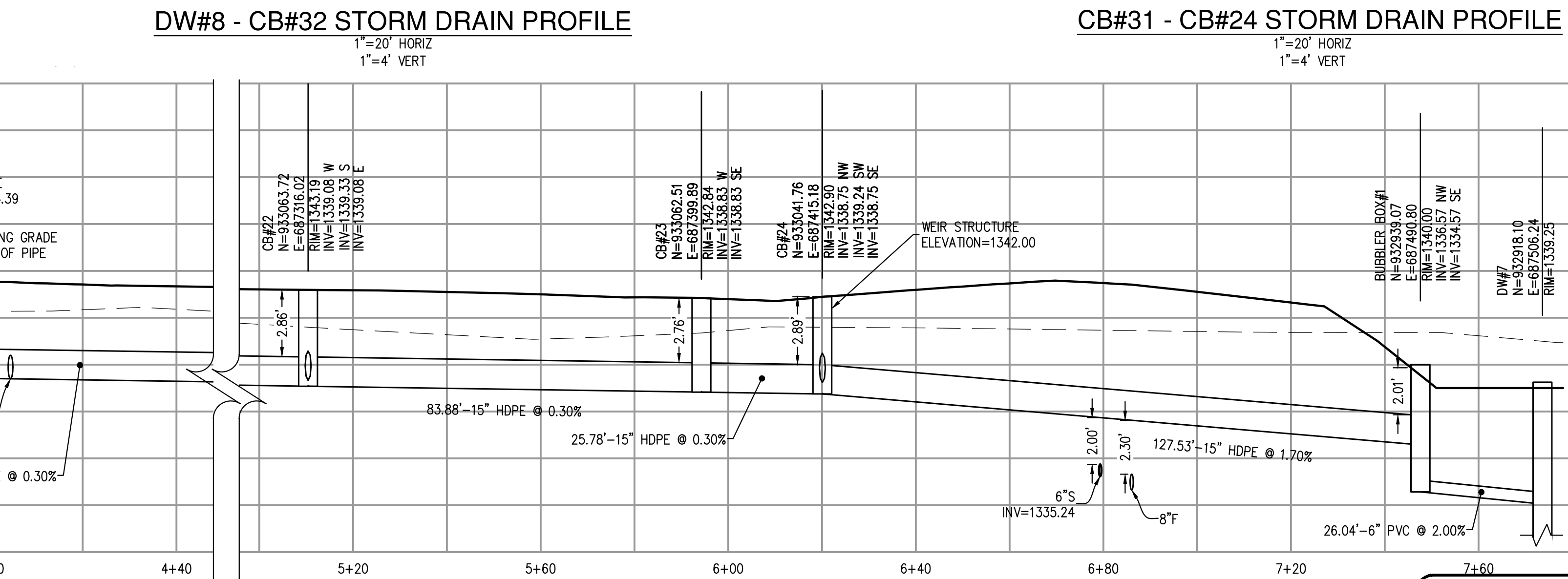
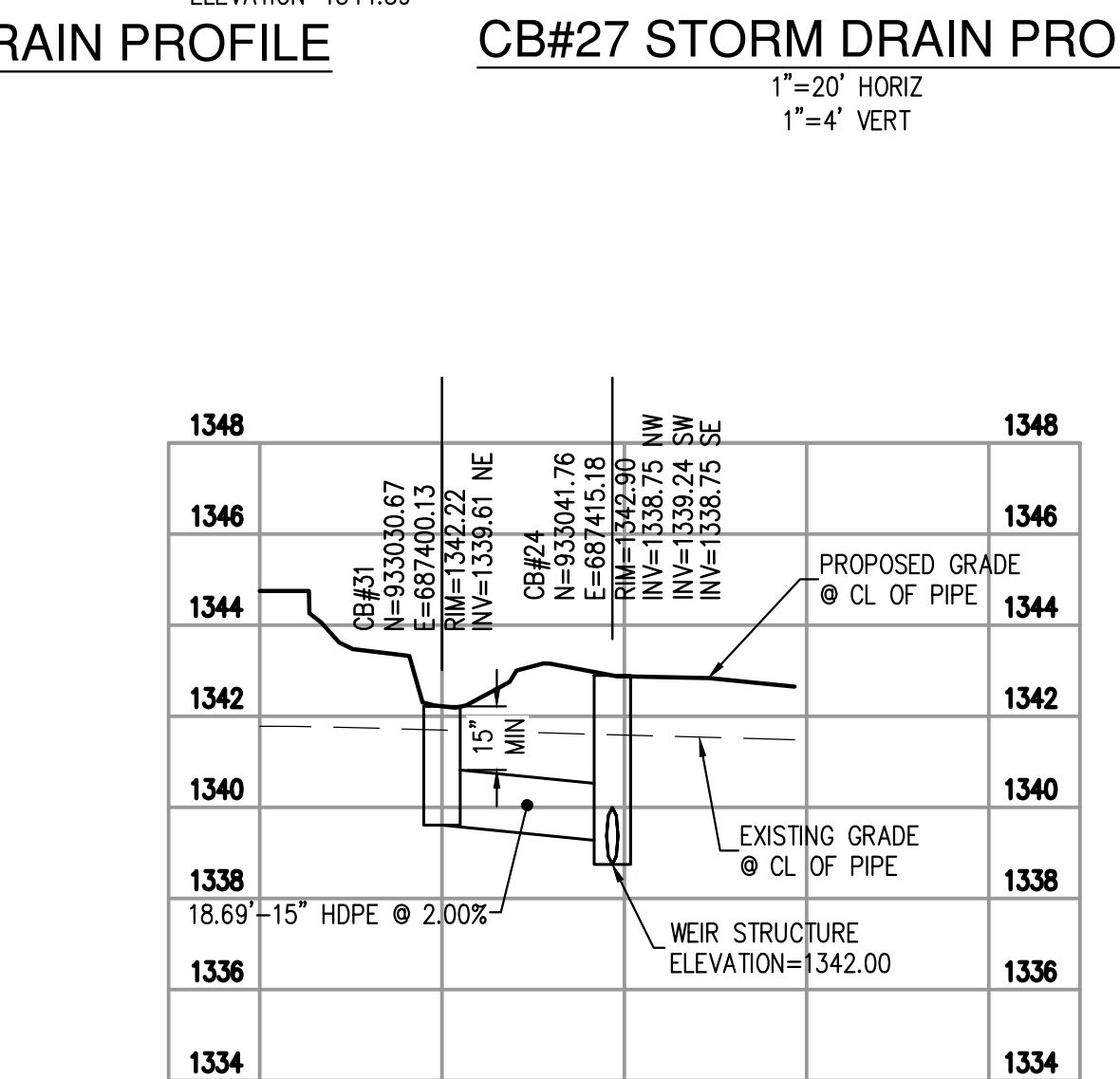
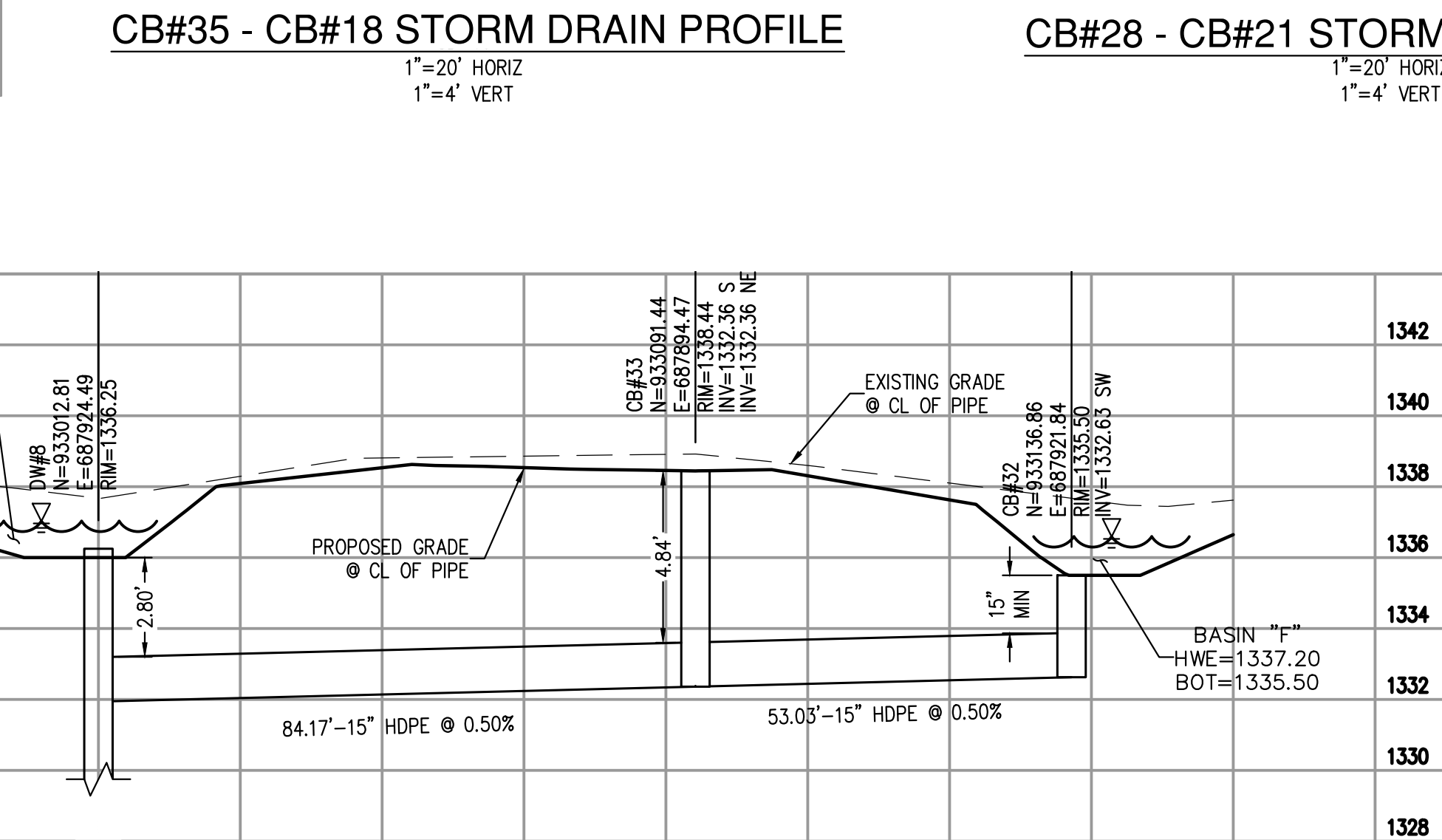
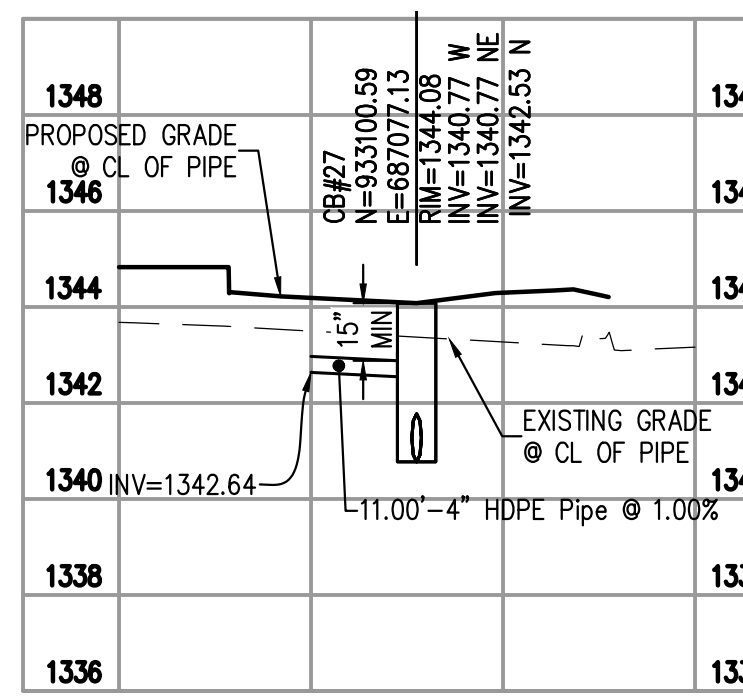
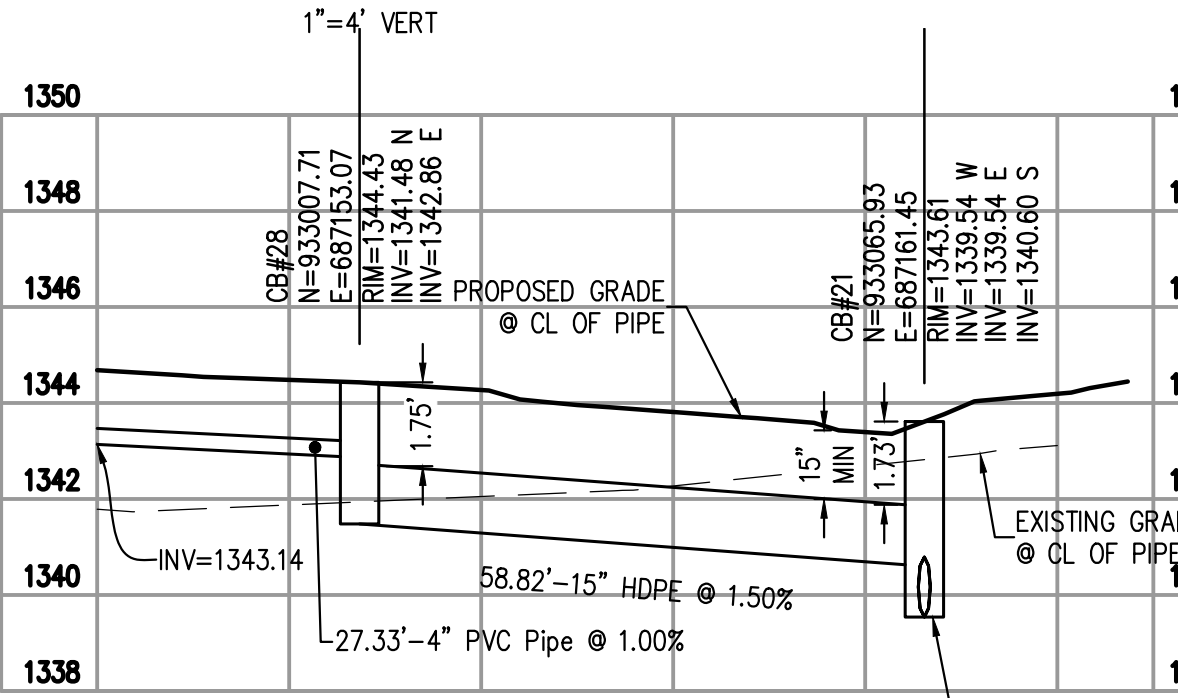
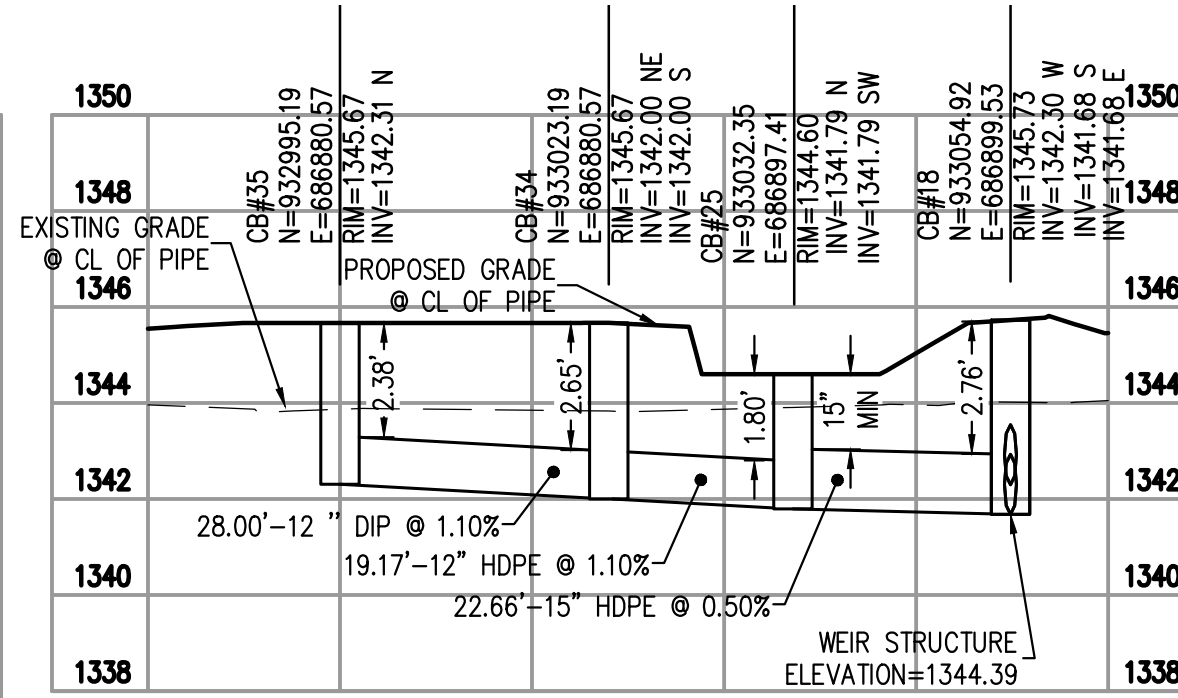
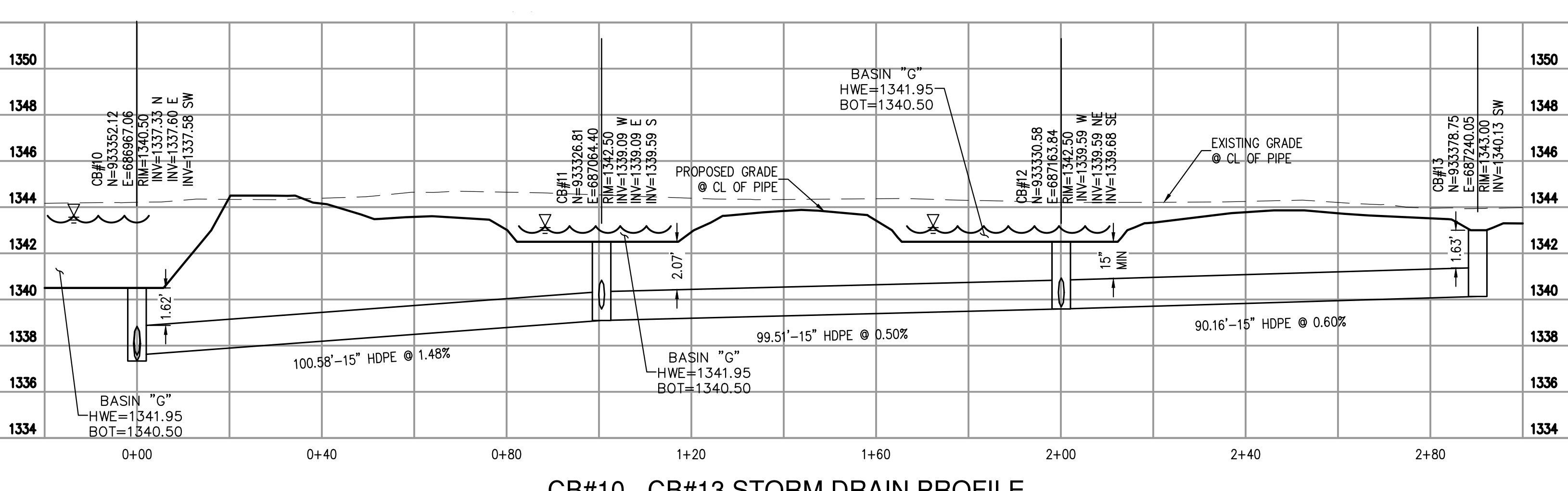
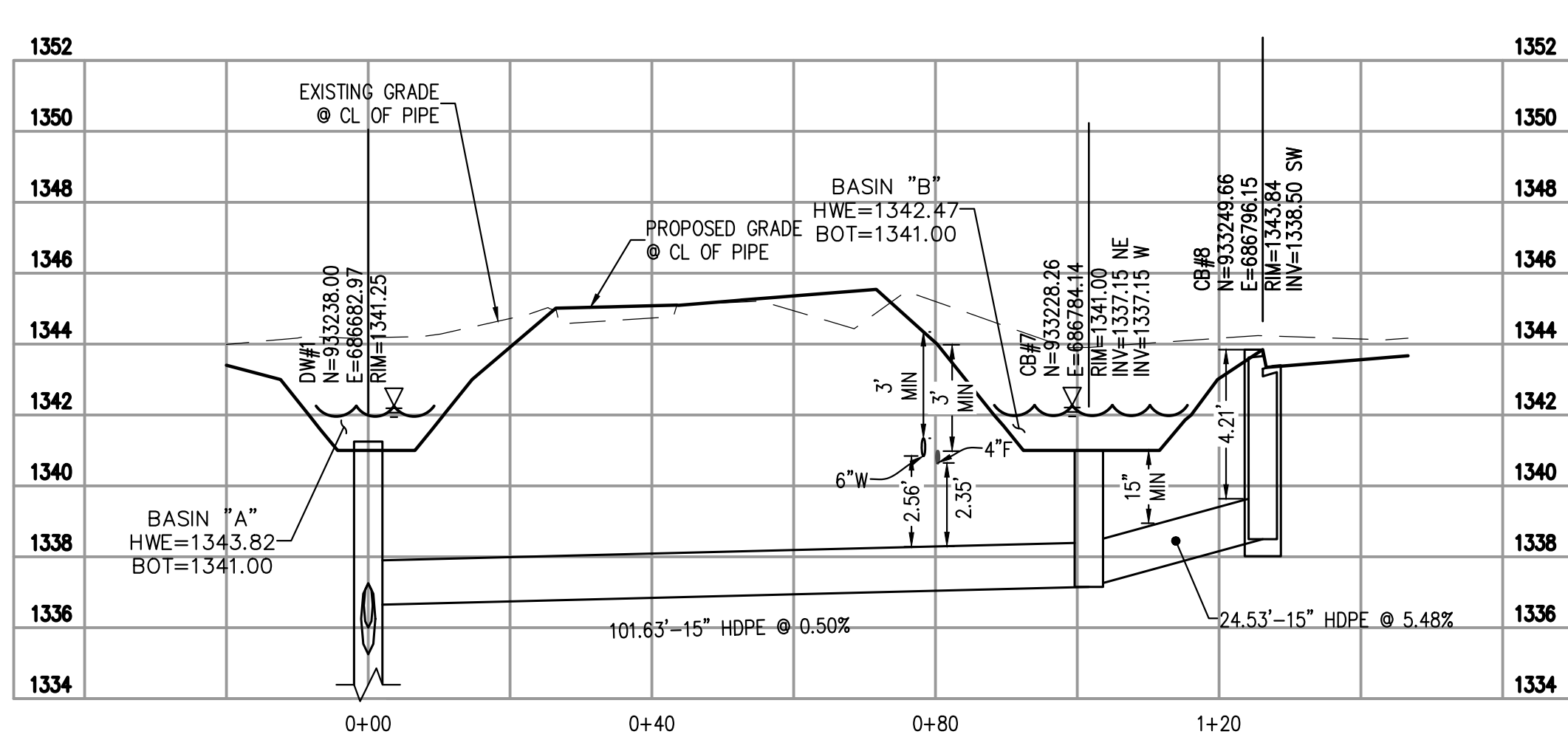
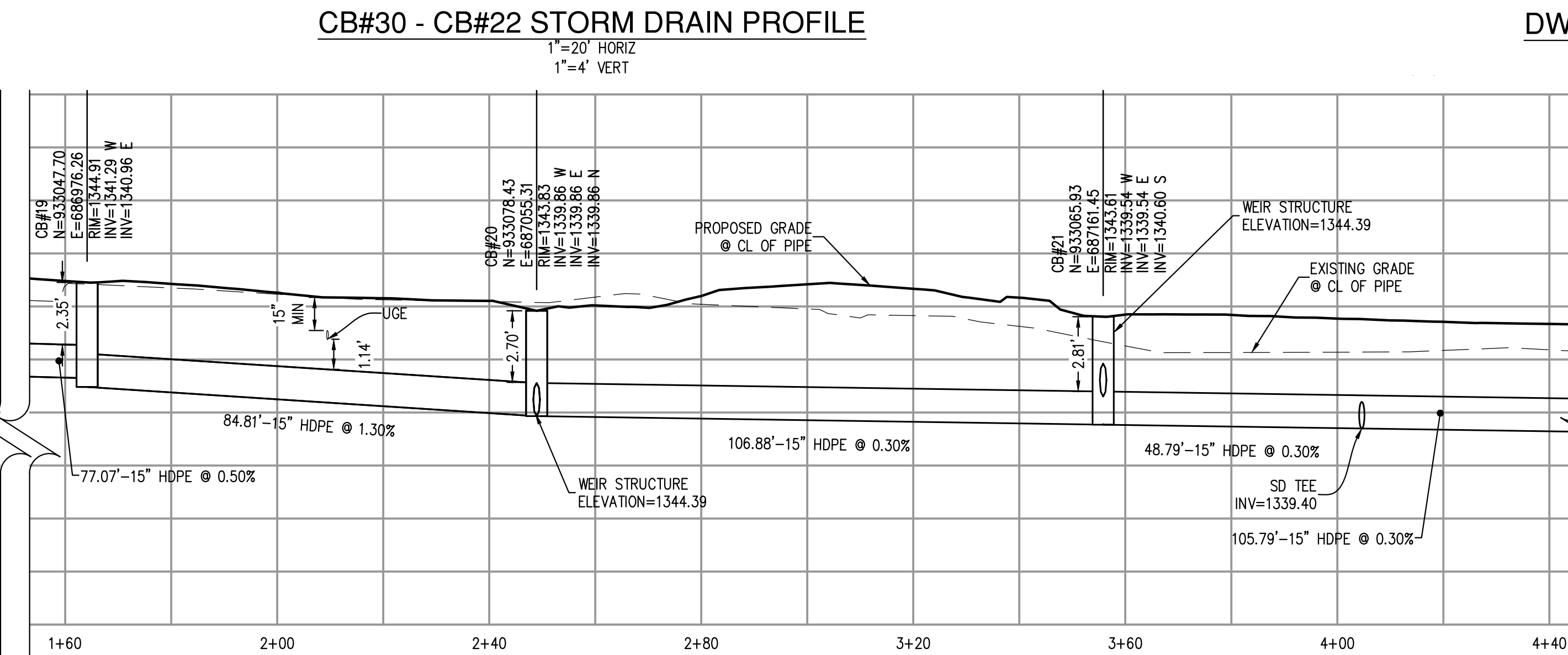
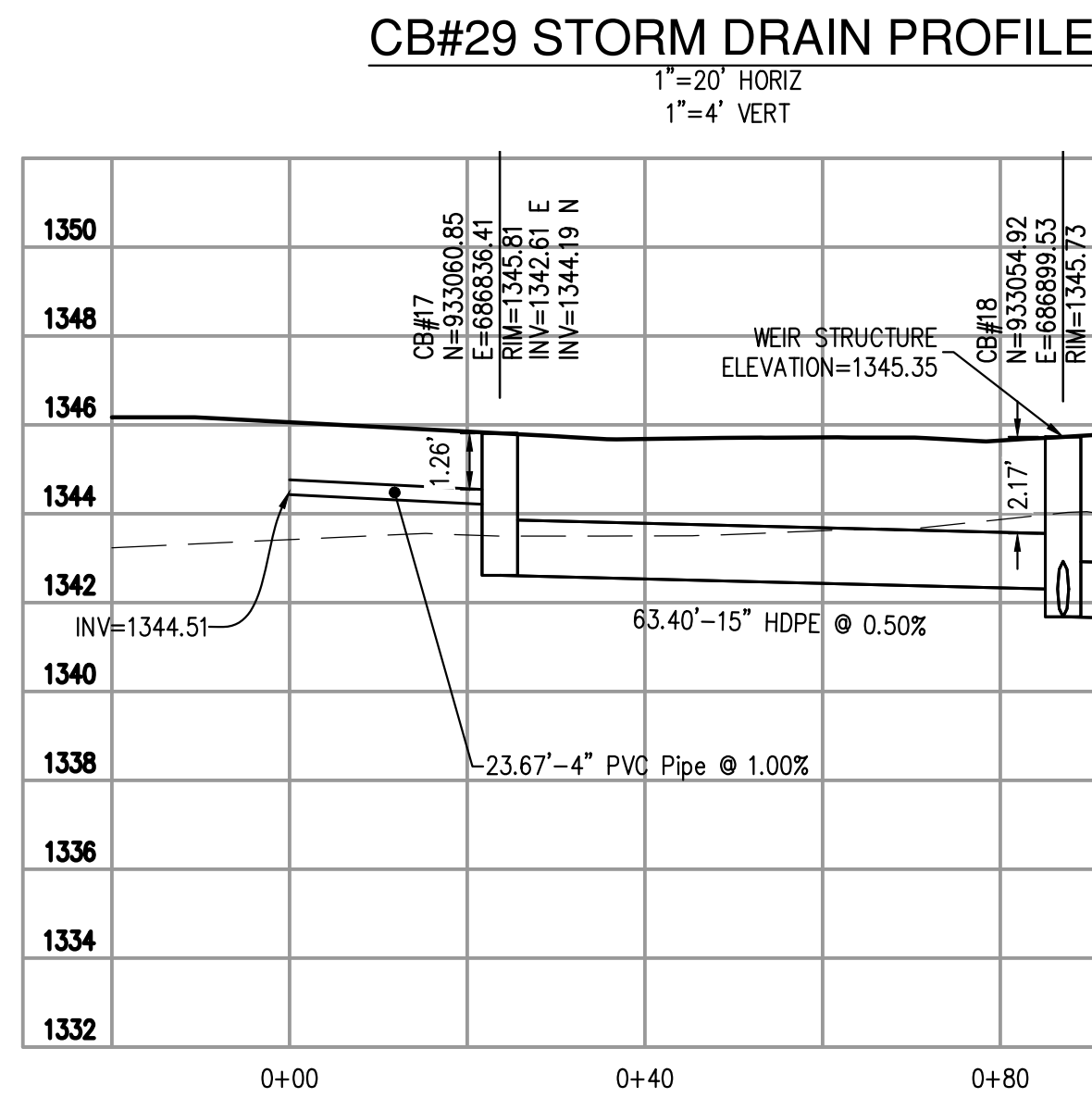
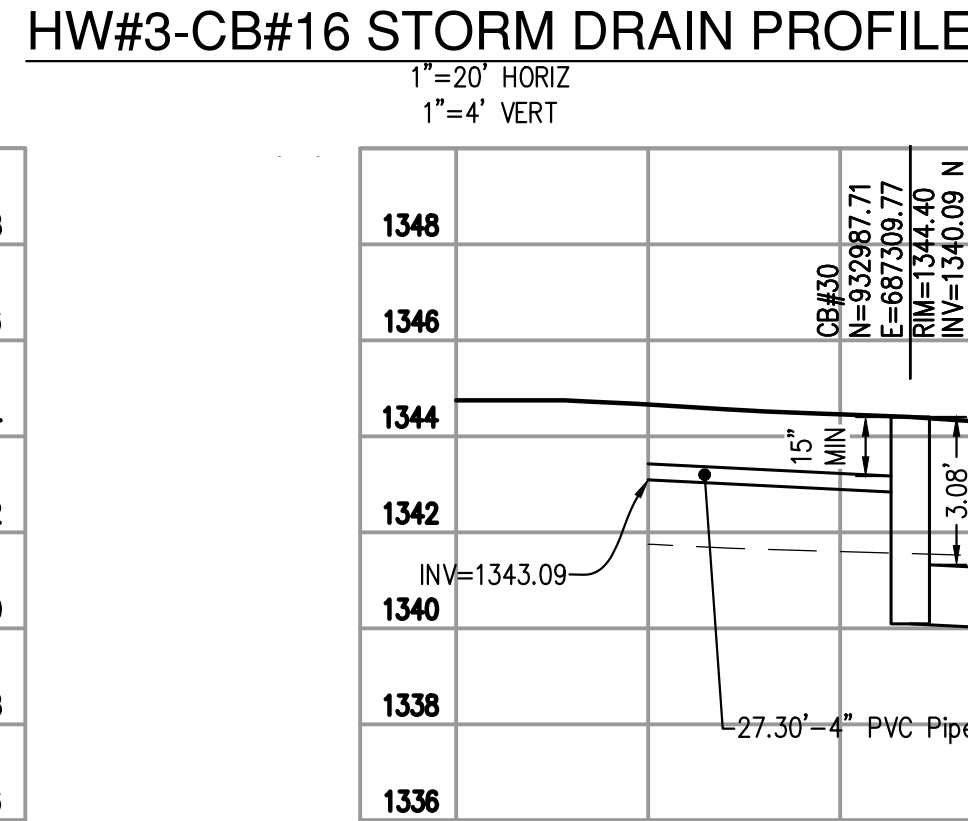
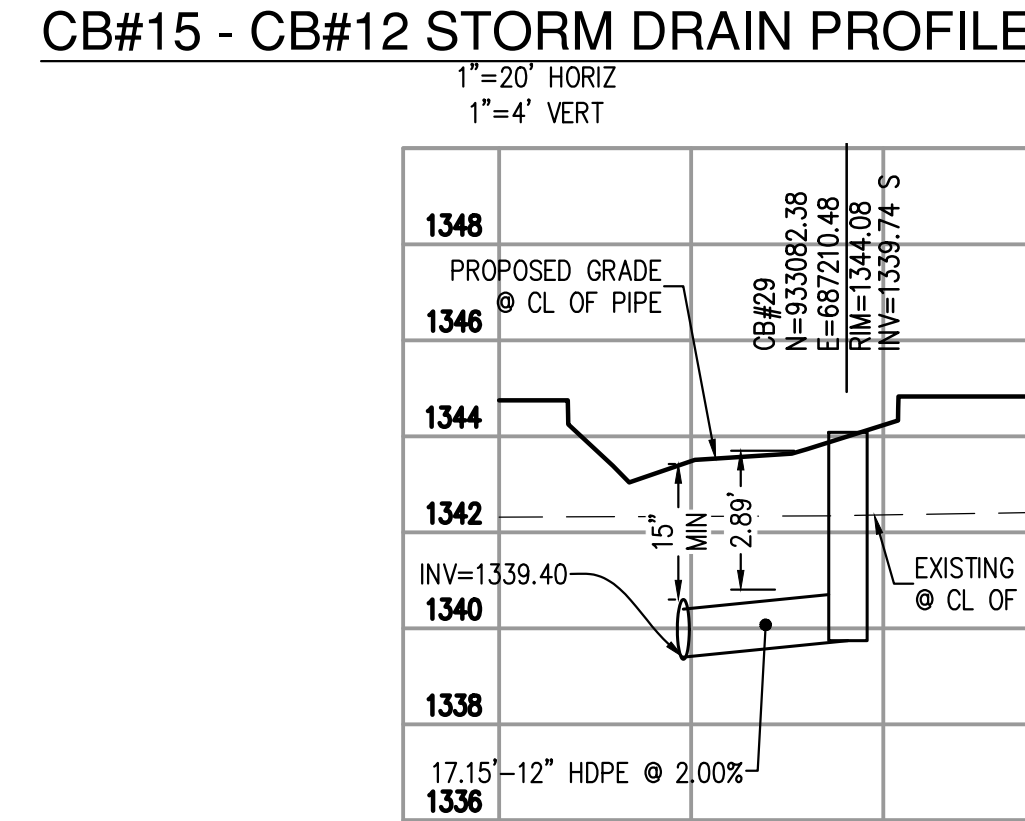
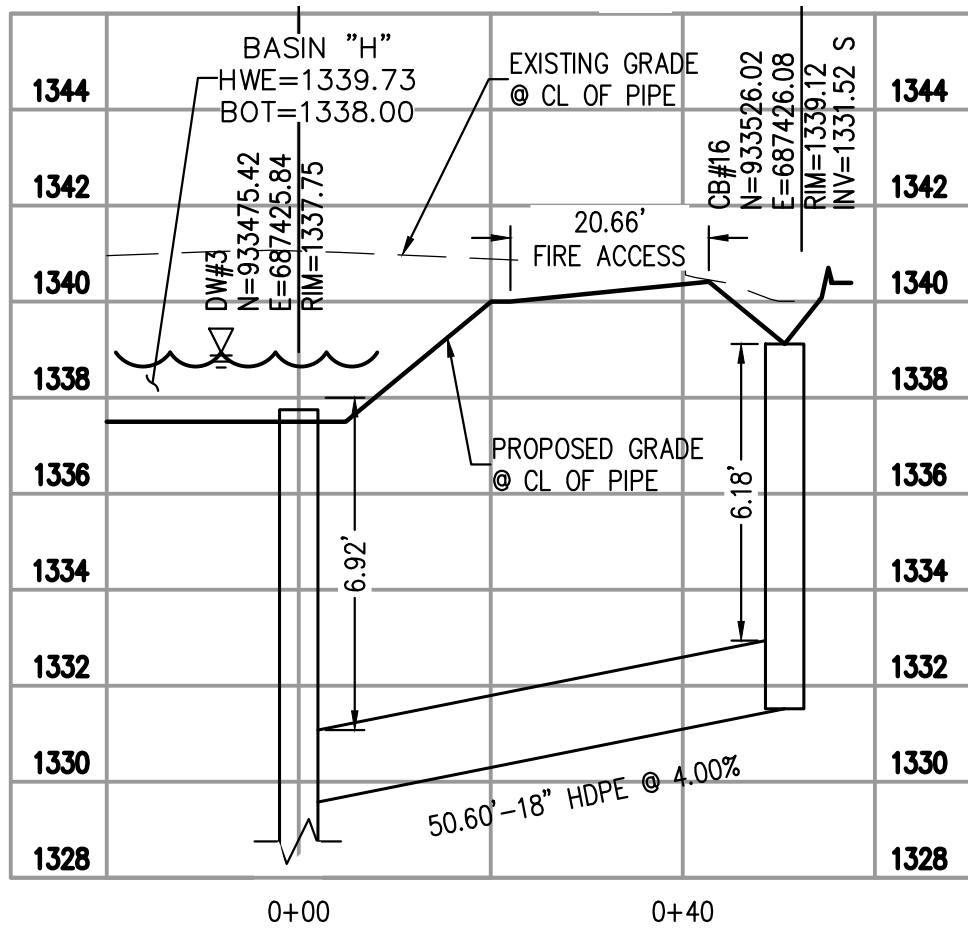
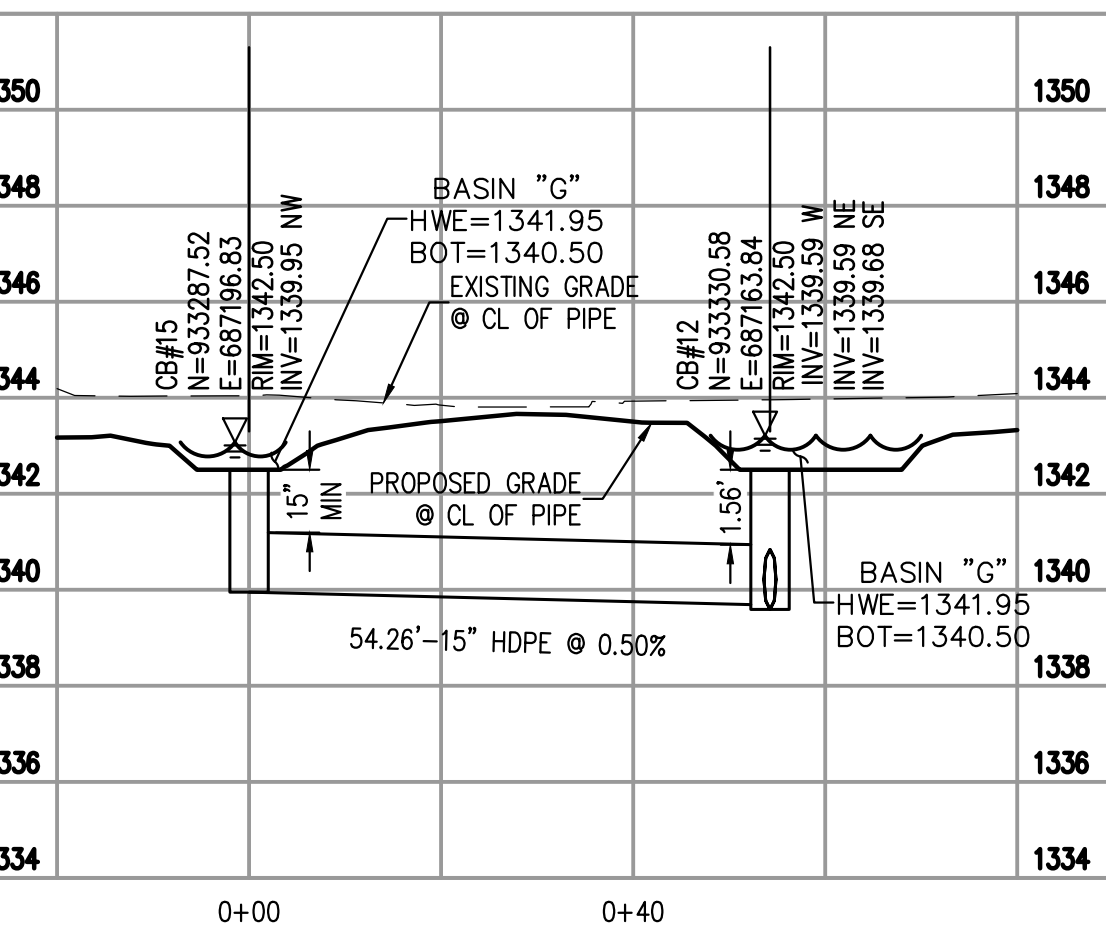
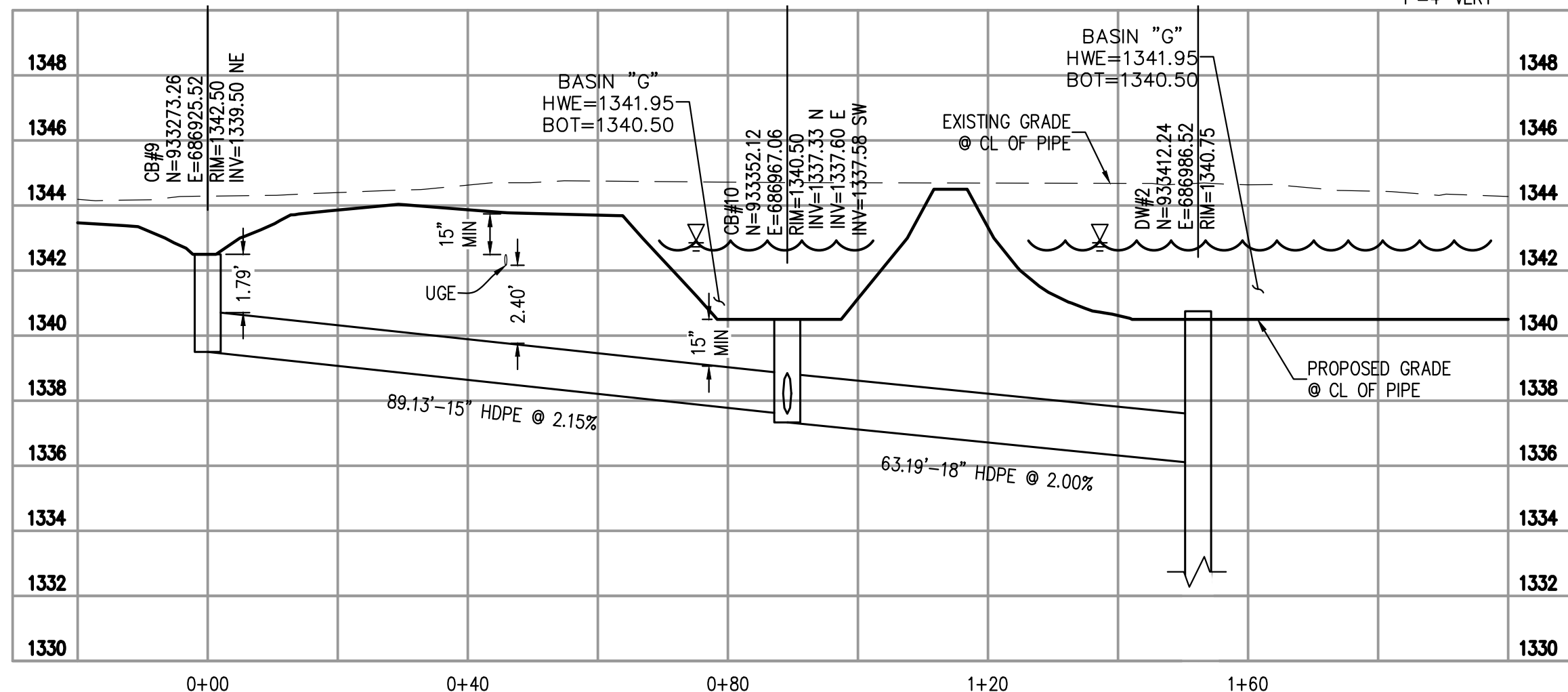
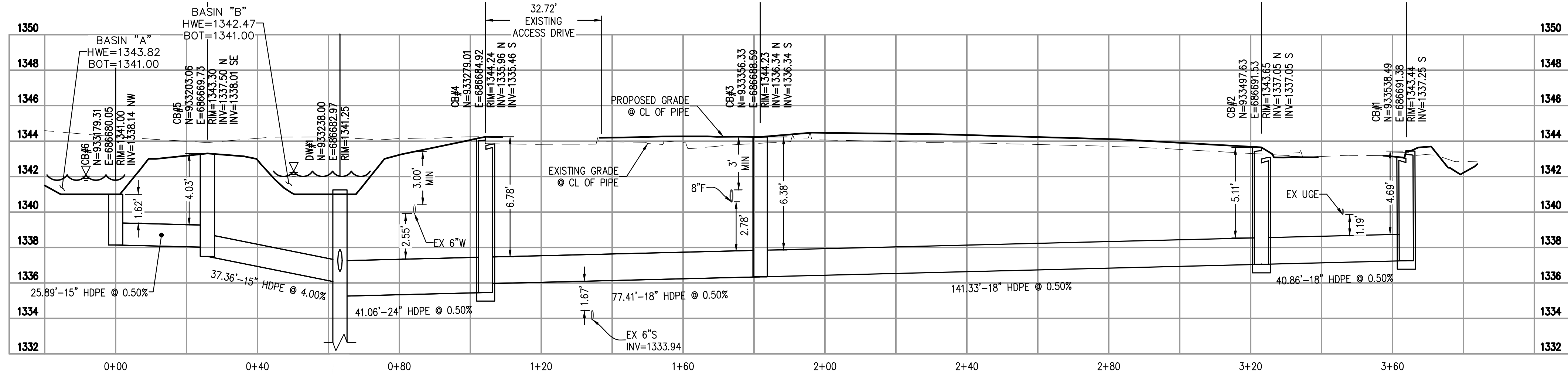


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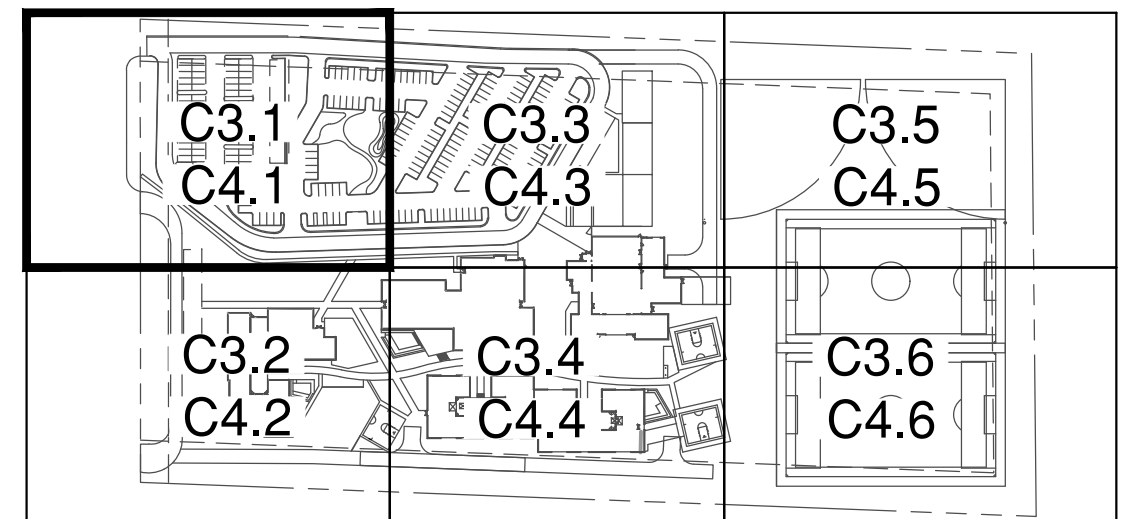
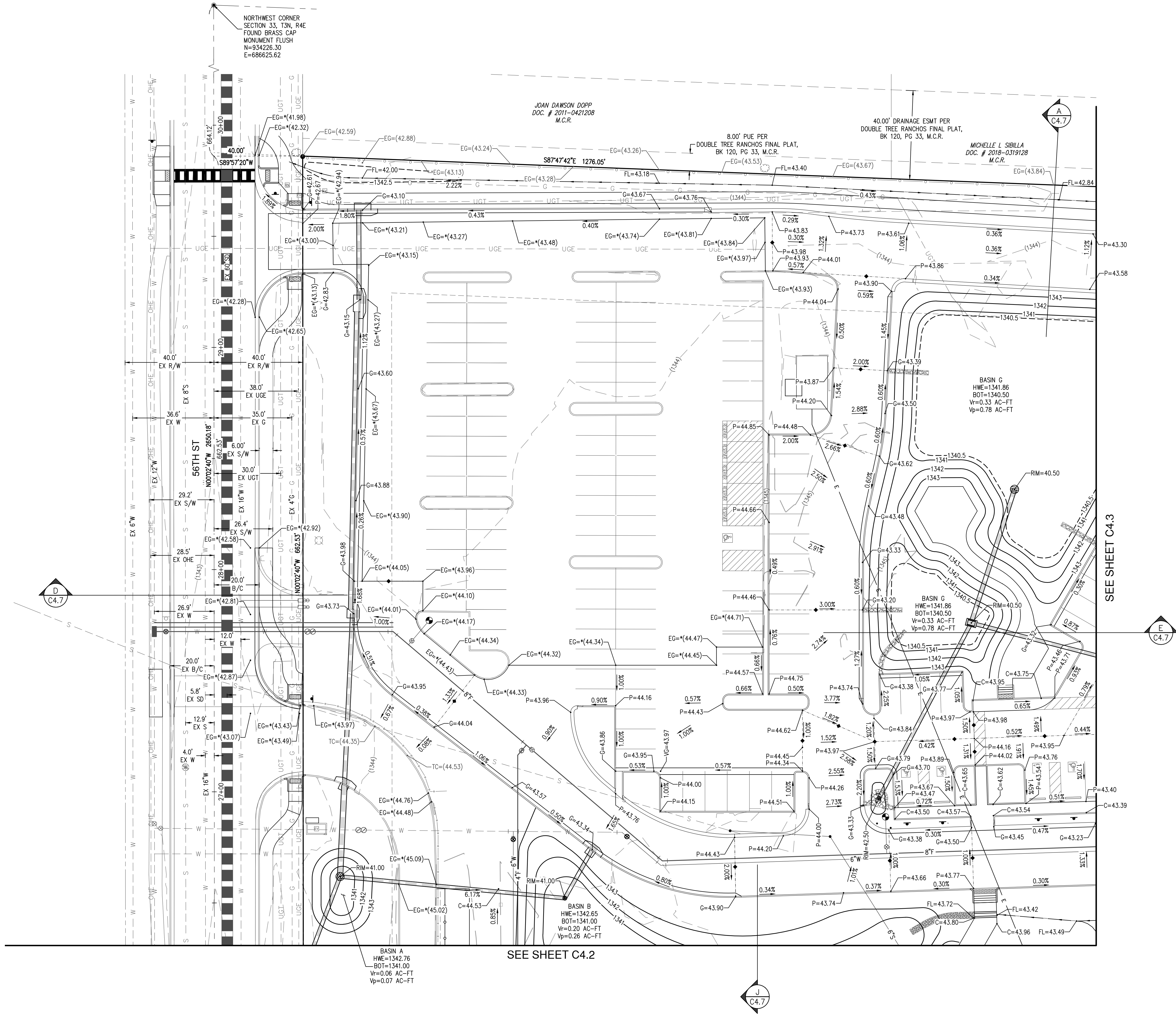
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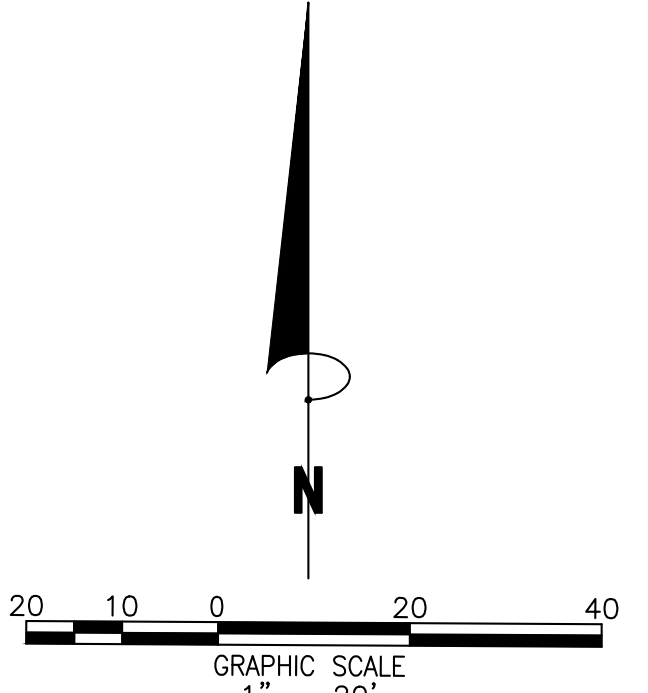
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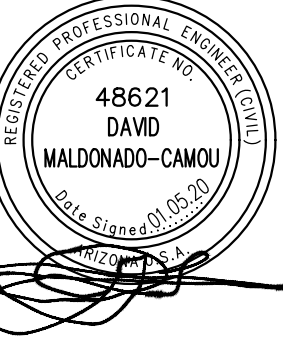
Scottsdale Unified School District

Cherokee Elementary School Replacement

8801 N 56th Street, Paradise Valley, AZ 85253

| | |
|--|---------------|
| CLIENT CONTACT | |
| Dennis Roehler 9288 E. San Salvador Dr. Scottsdale, AZ 85258 480.484.8503 | |
| PROJECT NO. | DATE OF ISSUE |
| 050641-01-001 | 10.10.19 |
| REVISION NO. | DATE |
| 1 | 12.10.19 |
| 10 | 03.25.20 |
| 12 | 05.15.20 |
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| 17 | 01.12.21 |
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| SHEET CONTENTS | |
| GRADING AND DRAINAGE PLAN | |
| SHEET NO. | |

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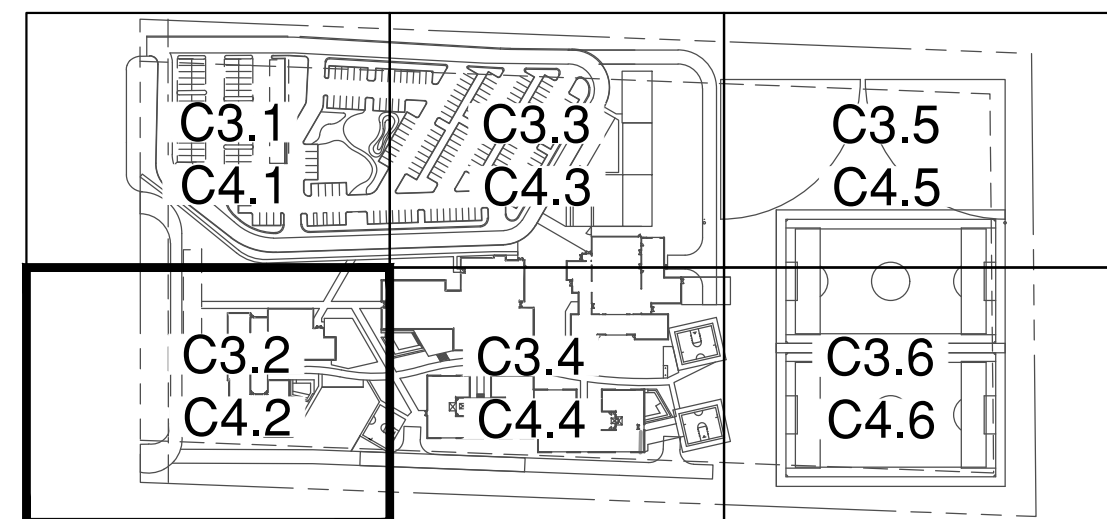
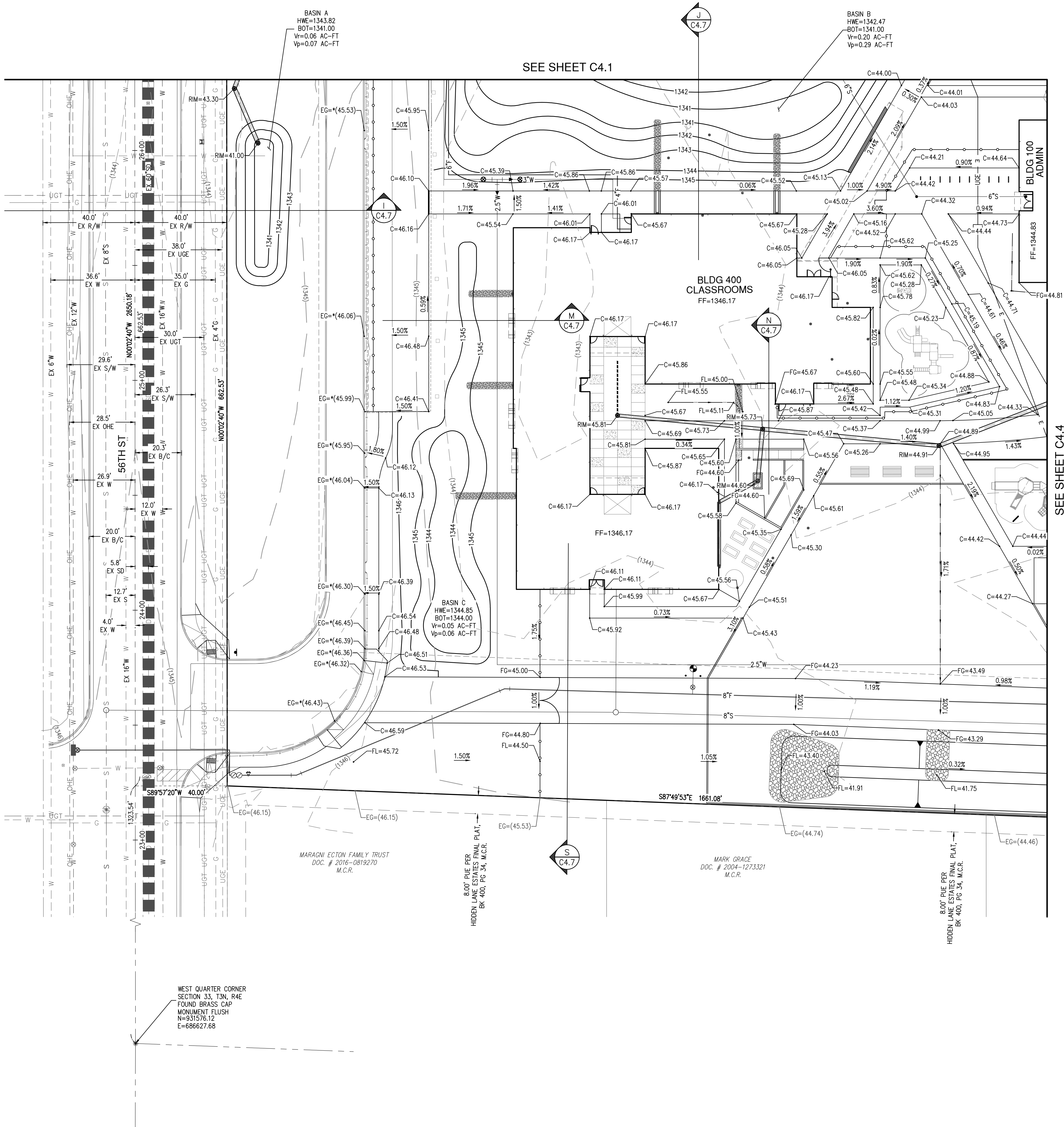


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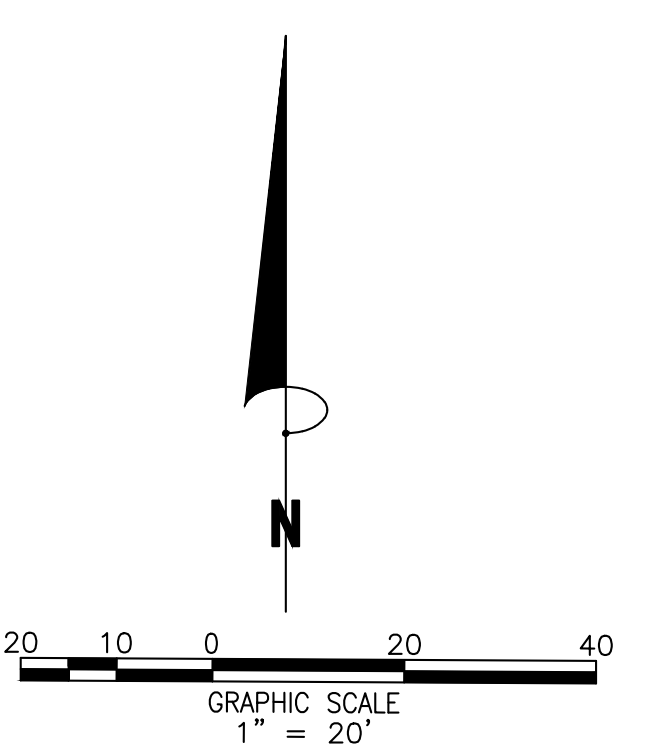
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DATE OF ISSUE 10.10.19
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DATE 12.10.19

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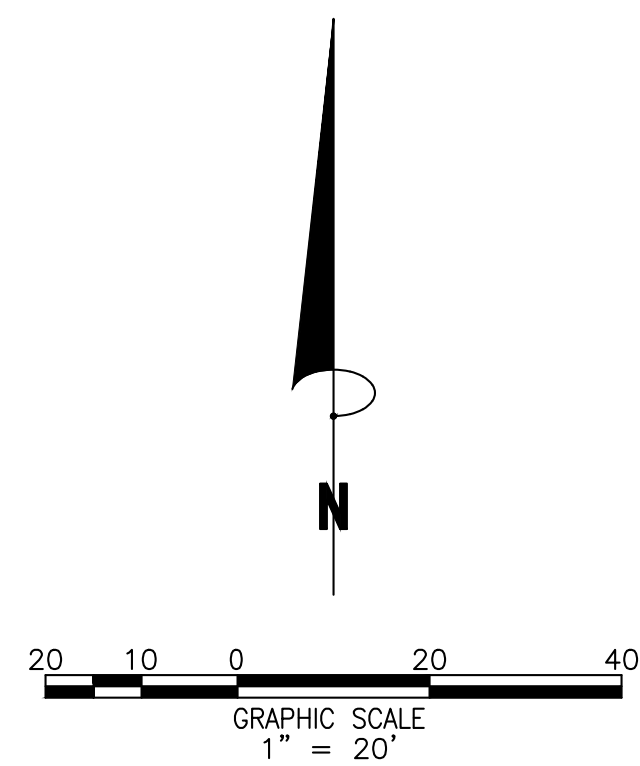
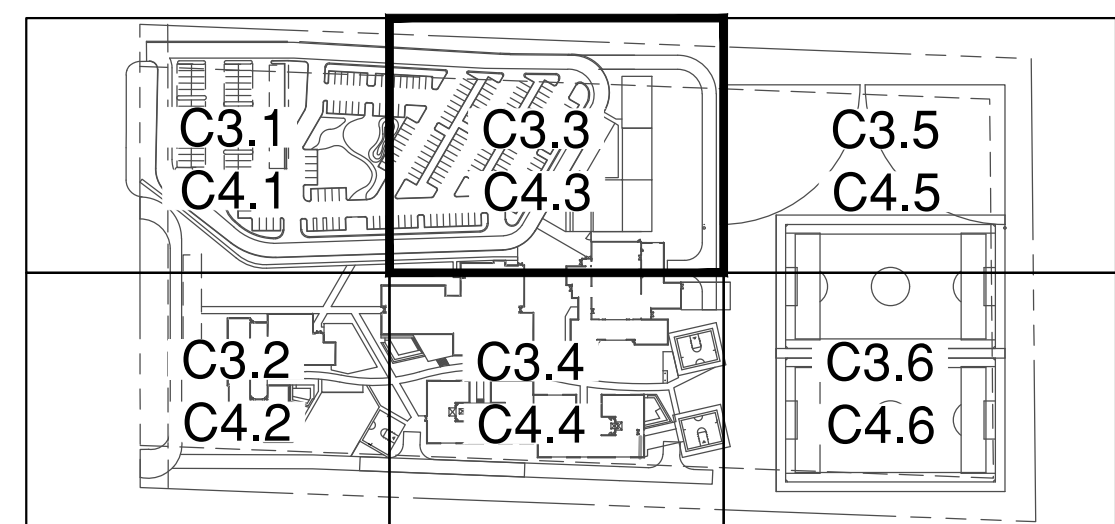
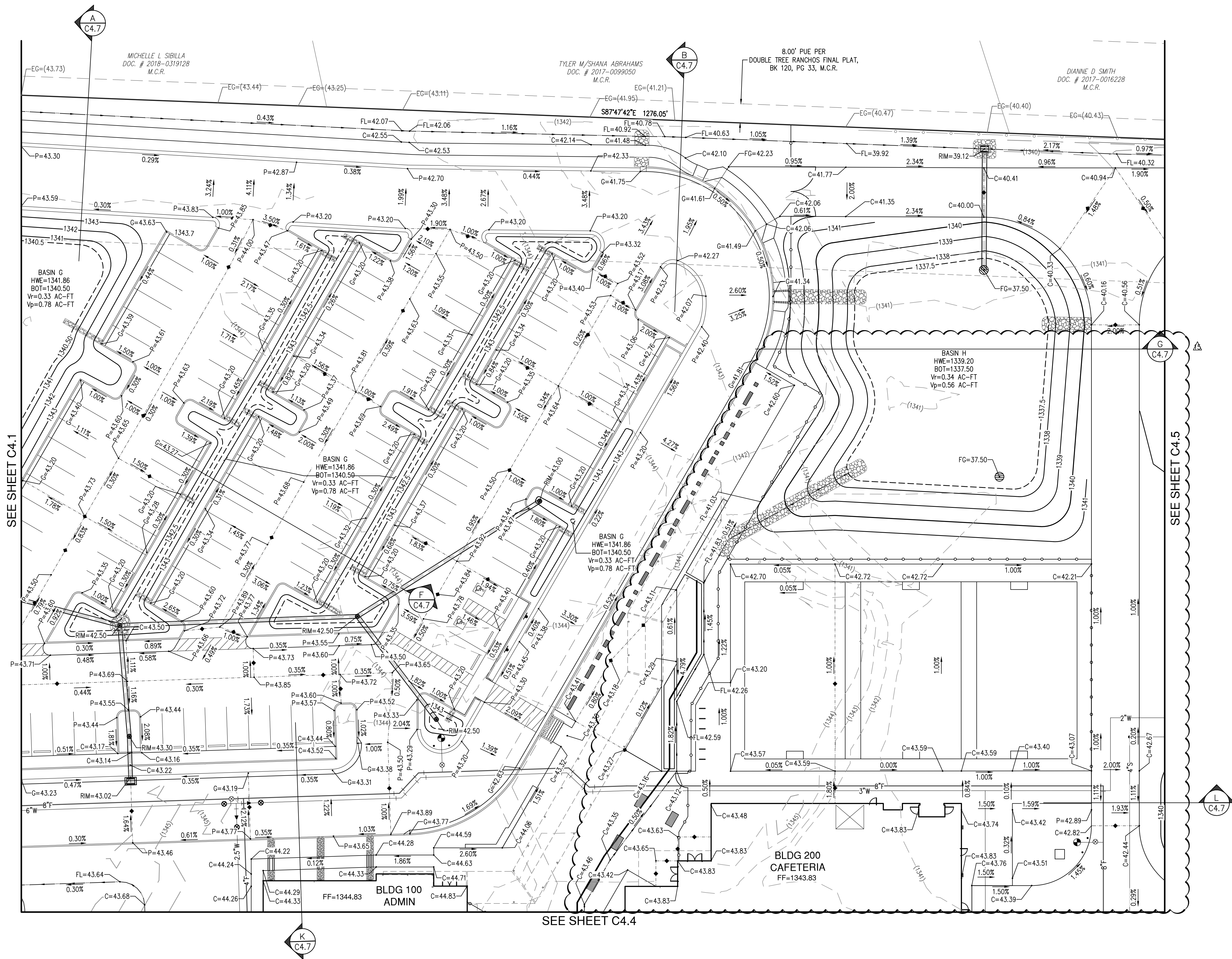
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Scottsdale Unified School District

Cherokee Elementary School Replacement

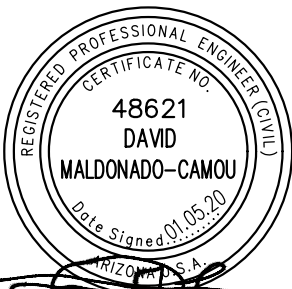
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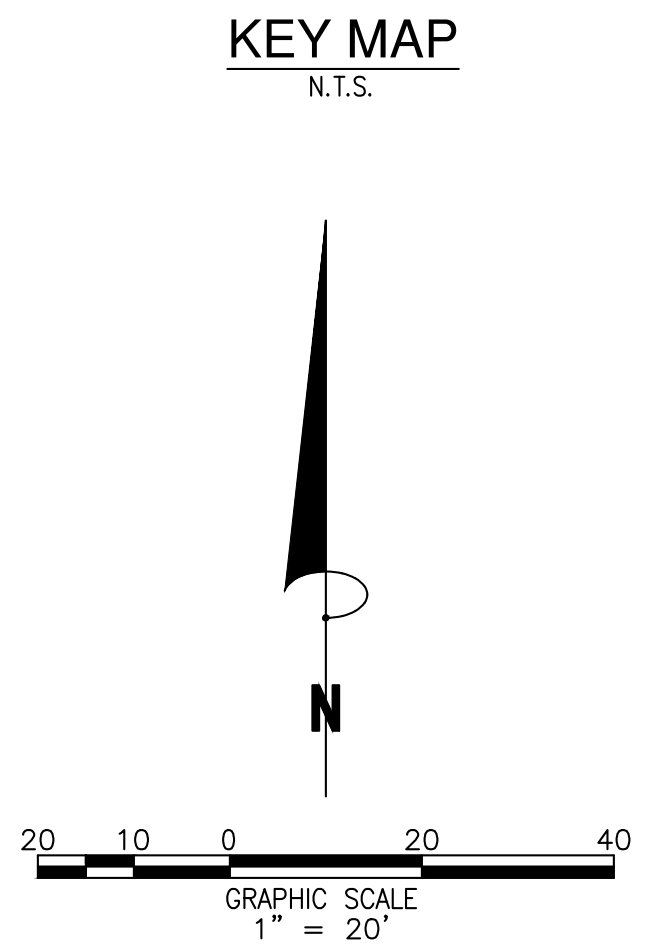
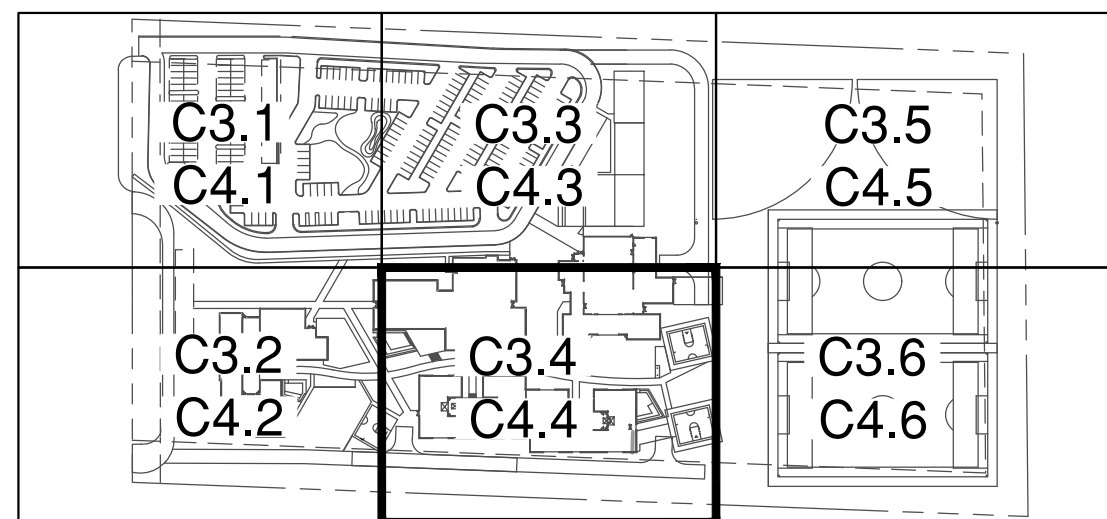
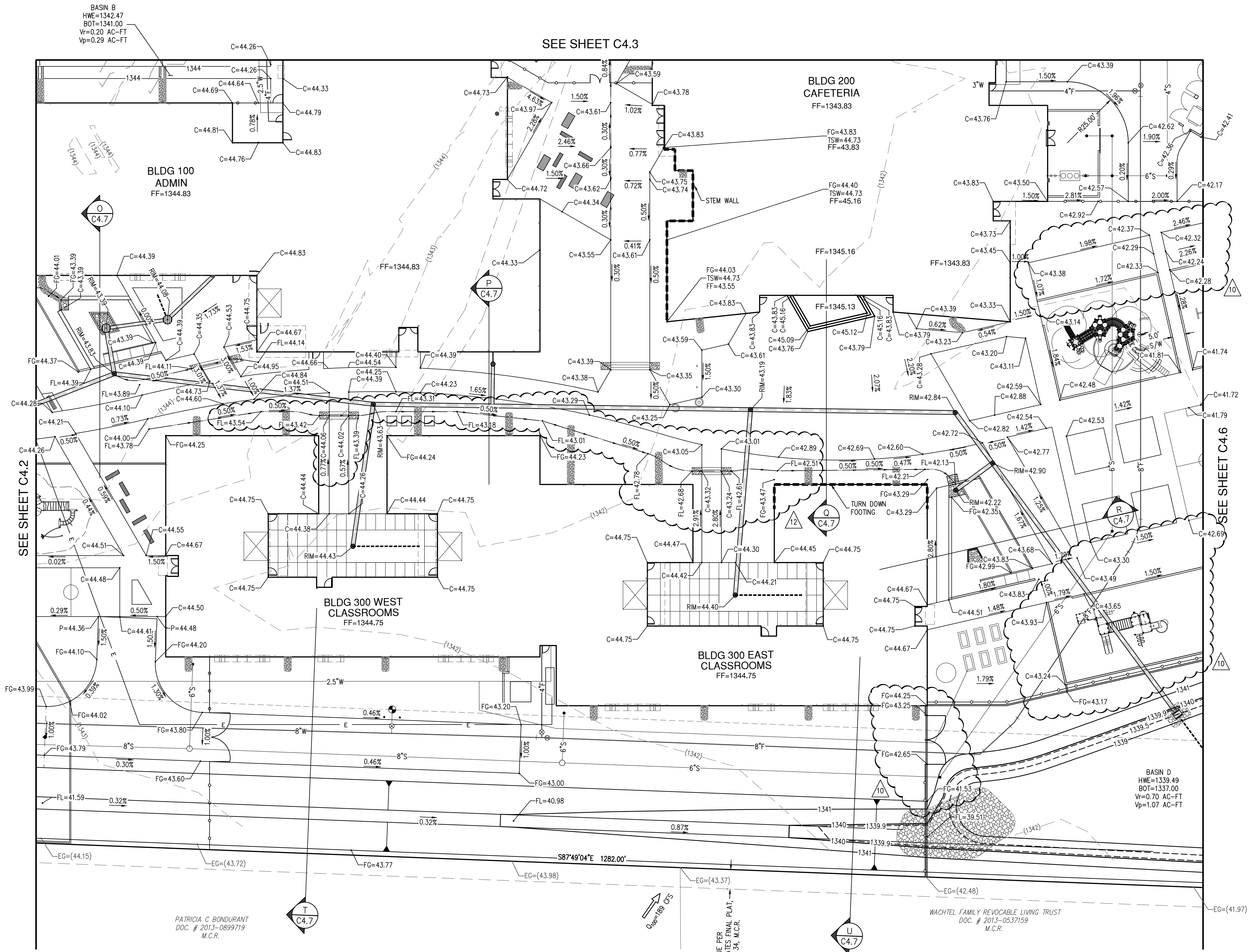
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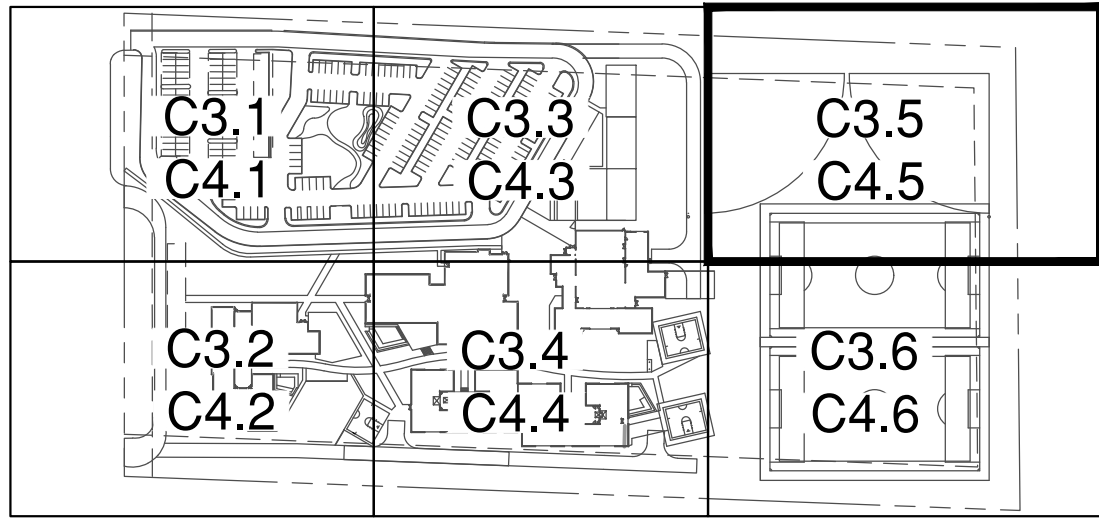
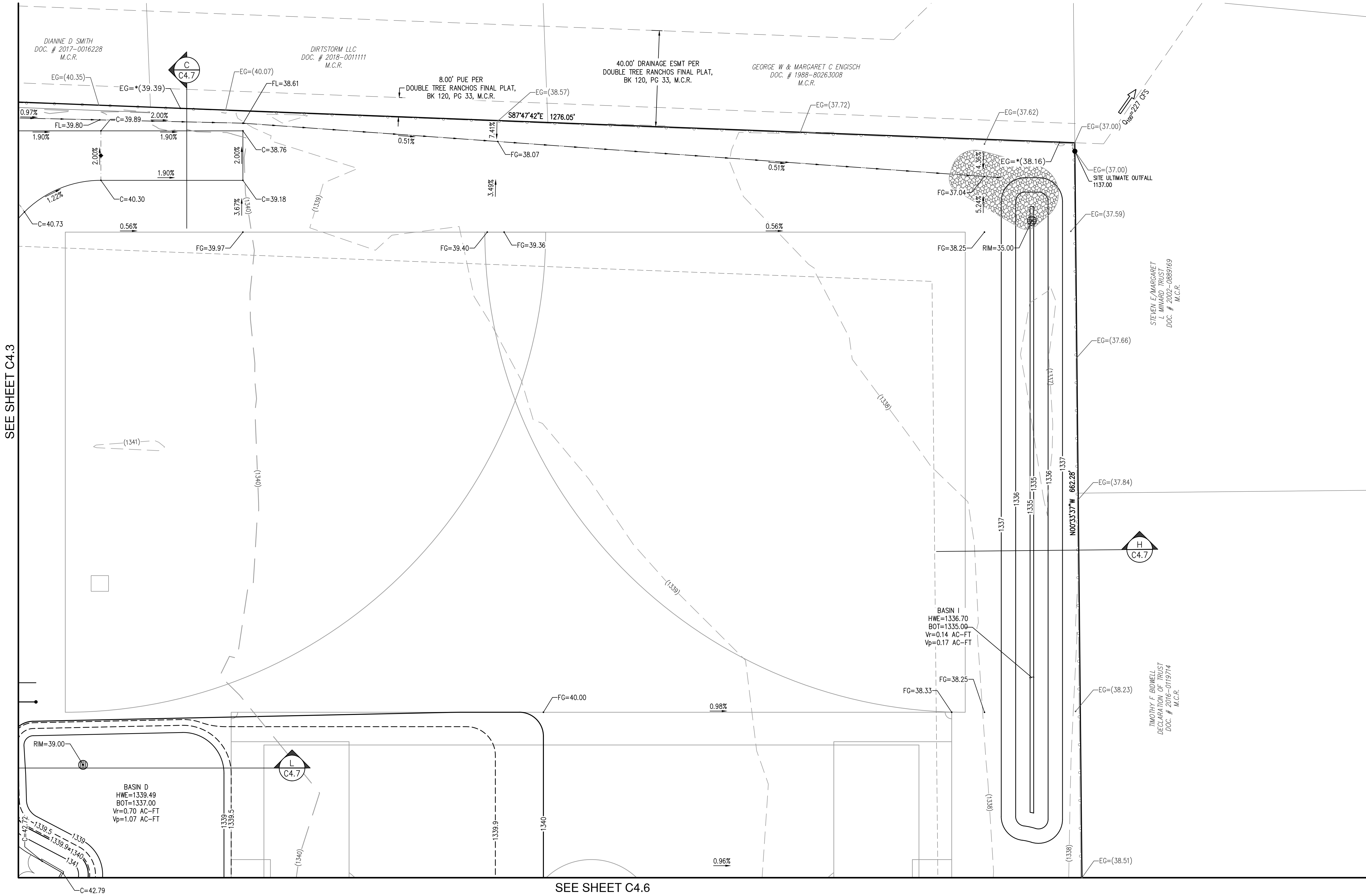
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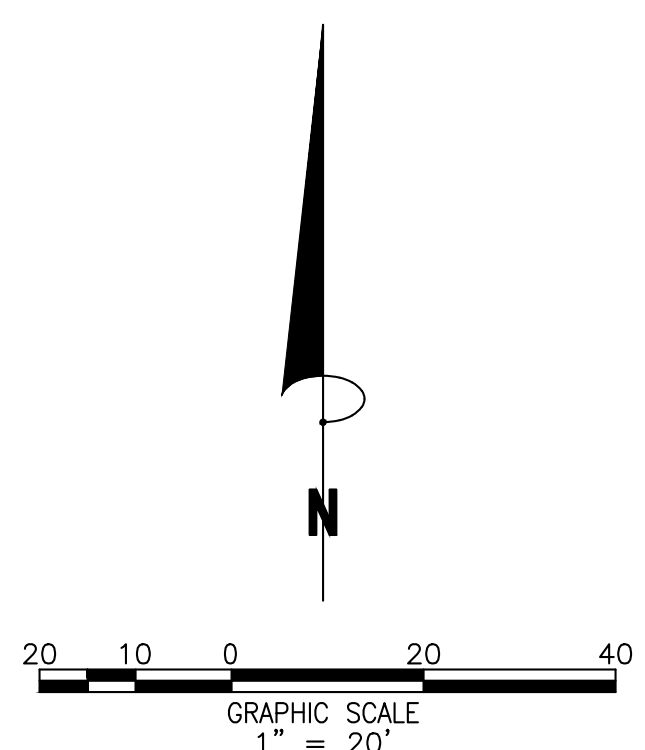
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KEY MAP
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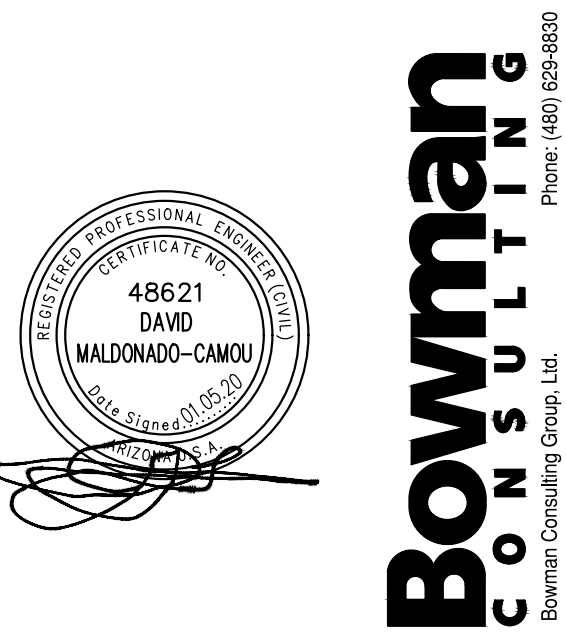
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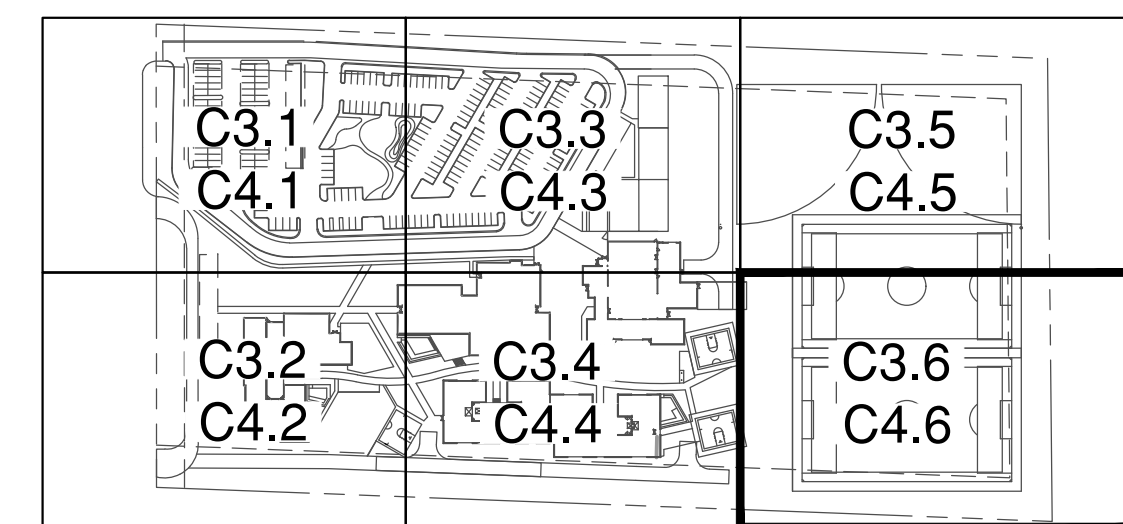
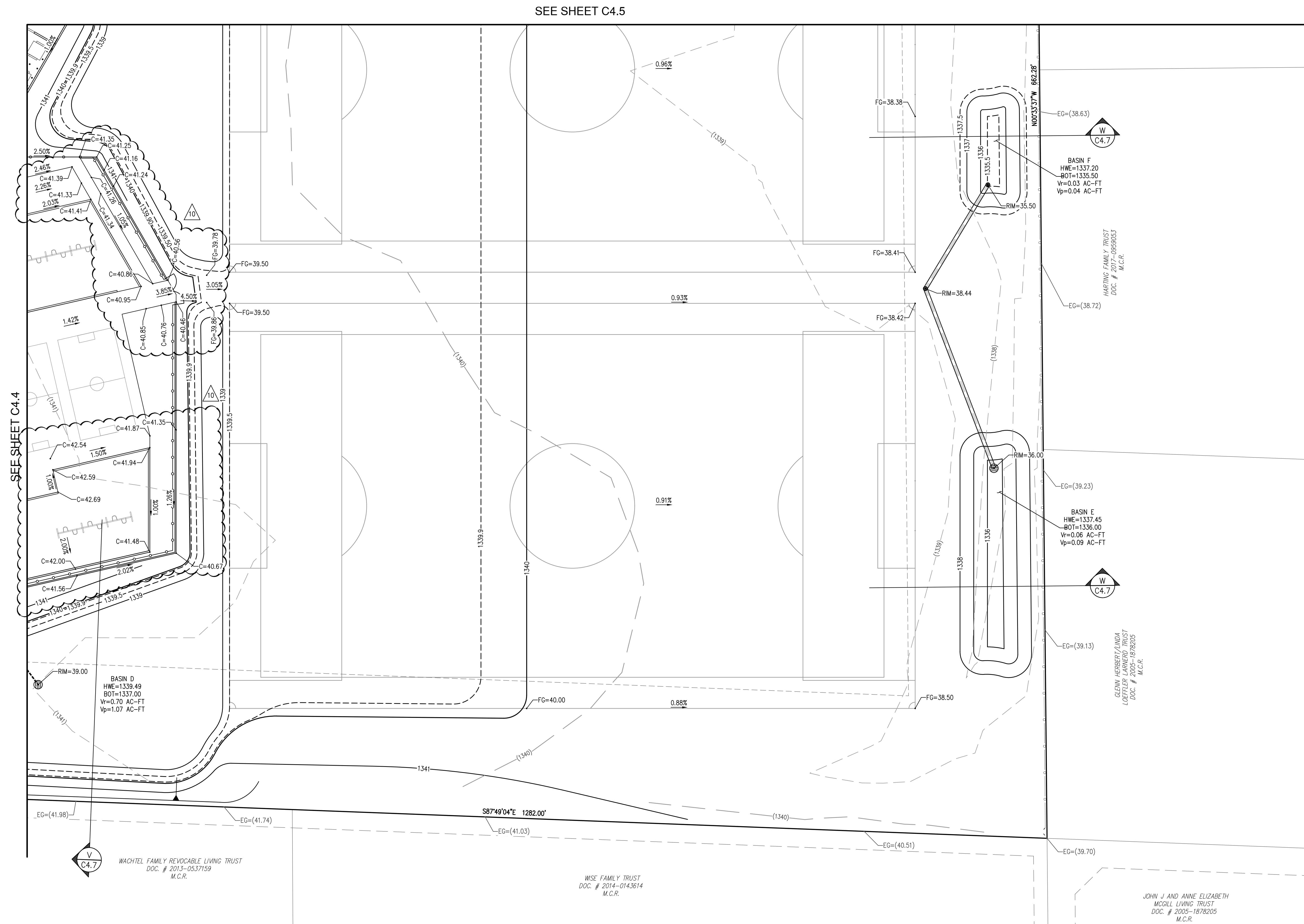
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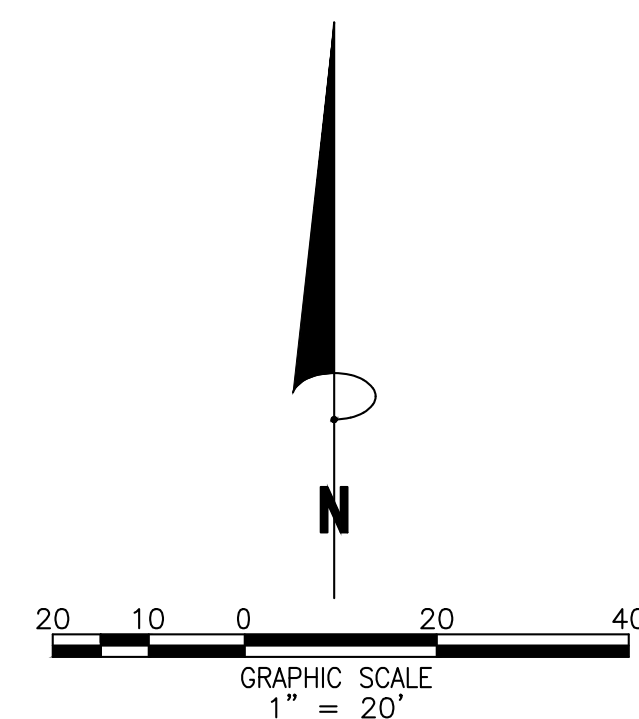
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KEY MAP
N.T.S.



Cherokee Elementary School Replacement

8801 N 56th Street, Paradise Valley, AZ 85253

CLIENT CONTACT
Dennis Roehler
9288 E. San Salv
Scottsdale, AZ 8
480.484.8503 t

| | |
|---------------|---------------|
| PROJECT NO. | DATE OF ISSUE |
| 050641-01-001 | 10.10.19 |

REVISION NO. 1
10

| | |
|--------------|----------|
| PROJECT TEAM | DRAWN BY |
| BOWMAN | LGR |

PROJECT PHASE
PERMIT SET

SHEET CONTENTS

GRADING AND
DRAINAGE PLAN

SHEET NO.

C4.6

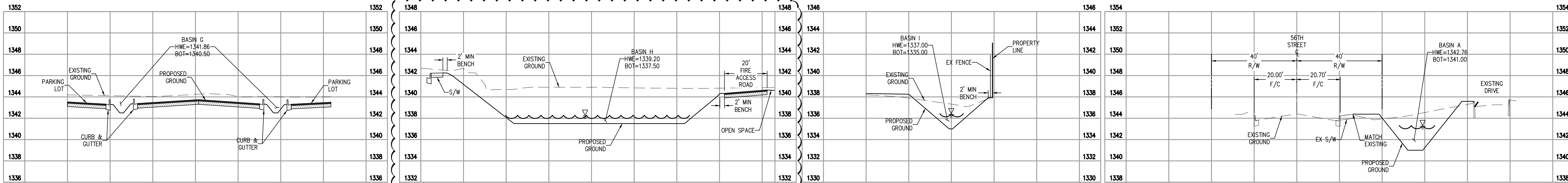


Bowman
CONSULTING

Bowman Consulting Group, Ltd.
1295 West Washington, Suite 108
Tempe, Arizona 85281

Phone: (480) 628-8800
www.bowmanconsulting.com

Bowman Consulting Group

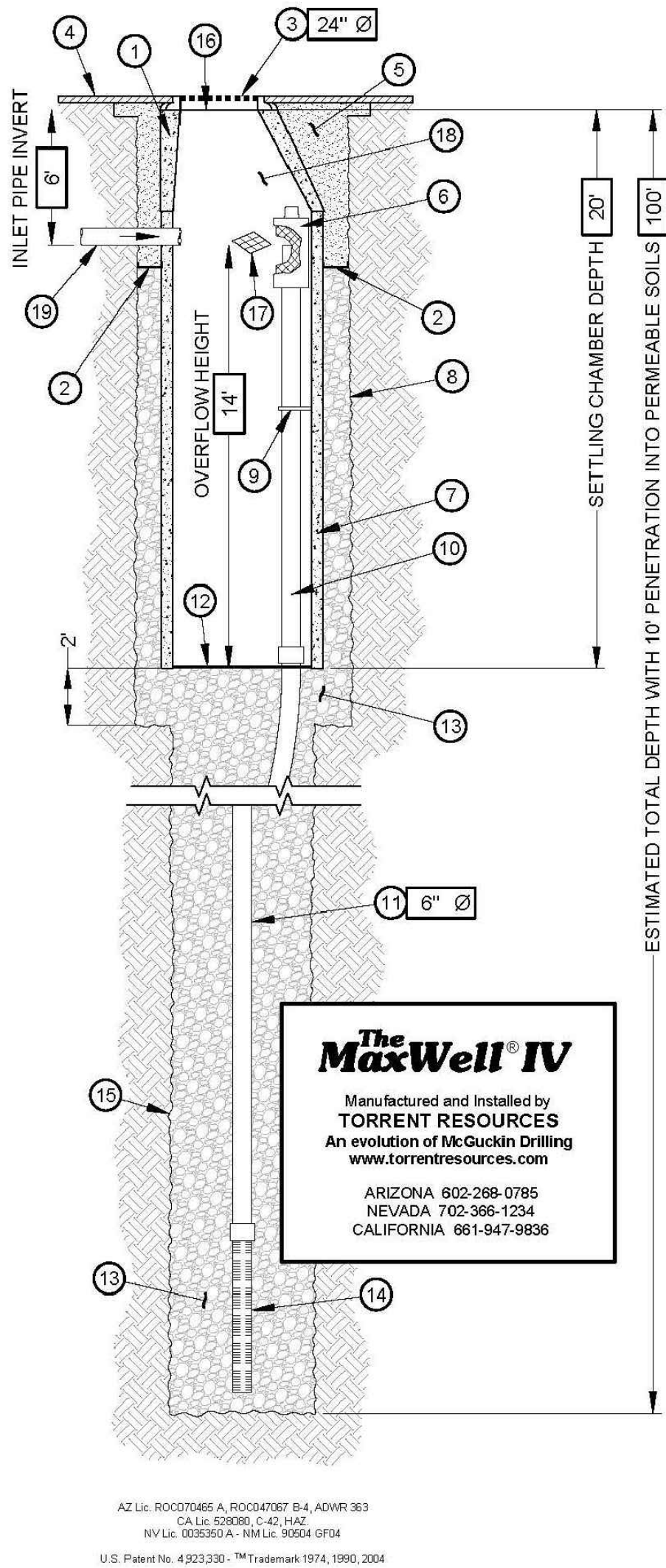


Cherokee Elementary School-Paradise Valley,AZ
The MaxWell® IV Drainage System Detail And Specifications

NOTES

1. MANHOLE CONE - MODIFIED FLAT BOTTOM.
2. MOISTURE MEMBRANE - 6 MIL. PLASTIC. APPLIES ONLY WHEN NATIVE MATERIAL IS USED FOR BACKFILL. PLACE MEMBRANE SECURELY AGAINST ECCENTRIC CONE AND HOLE SIDEWALL.
3. BOLTED RING & GRATE - DIAMETER AS SHOWN. CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02 OF PLANS.
4. GRADED BASIN OR PAVING (BY OTHERS).
5. STABILIZED BACKFILL - 1 SACK SLURRY.
6. PUREFLO® DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL .202" MAX. SMD FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSION BONDED EPOXY COATED.
7. PRE-CAST LINER - 4000 PSI CONCRETE 48" ID. X 54" OD. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.
8. MIN. 6" Ø DRILLED SHAFT.
9. SUPPORT BRACKET - FORMED 12 GA. STEEL. FUSION BONDED EPOXY COATED.
10. OVERFLOW PIPE - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
11. DRAINAGE PIPE - ADS HIGHWAY GRADE WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS TO PREVENT BUCKLING OR BREAKAGE. DIAMETER AS NOTED.
12. BASE SEAL - GEOTEXTILE OR CONCRETE SLURRY.
13. ROCK - WASHED, SIZED BETWEEN 3/8" AND 1-1/2" TO BEST COMPLEMENT SOIL CONDITIONS.
14. FLOFAST® DRAINAGE SCREEN - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. 120" OVERALL LENGTH WITH TRI-B COUPLER.
15. MIN. 4" Ø SHAFT - DRILLED TO MAINTAIN PERMEABILITY OF DRAINAGE SOILS.
16. FABRIC SEAL - U.V. RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION.
17. ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY.
18. FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE OVERFLOW PIPE INLET.
19. INLET PIPE (BY OTHERS).

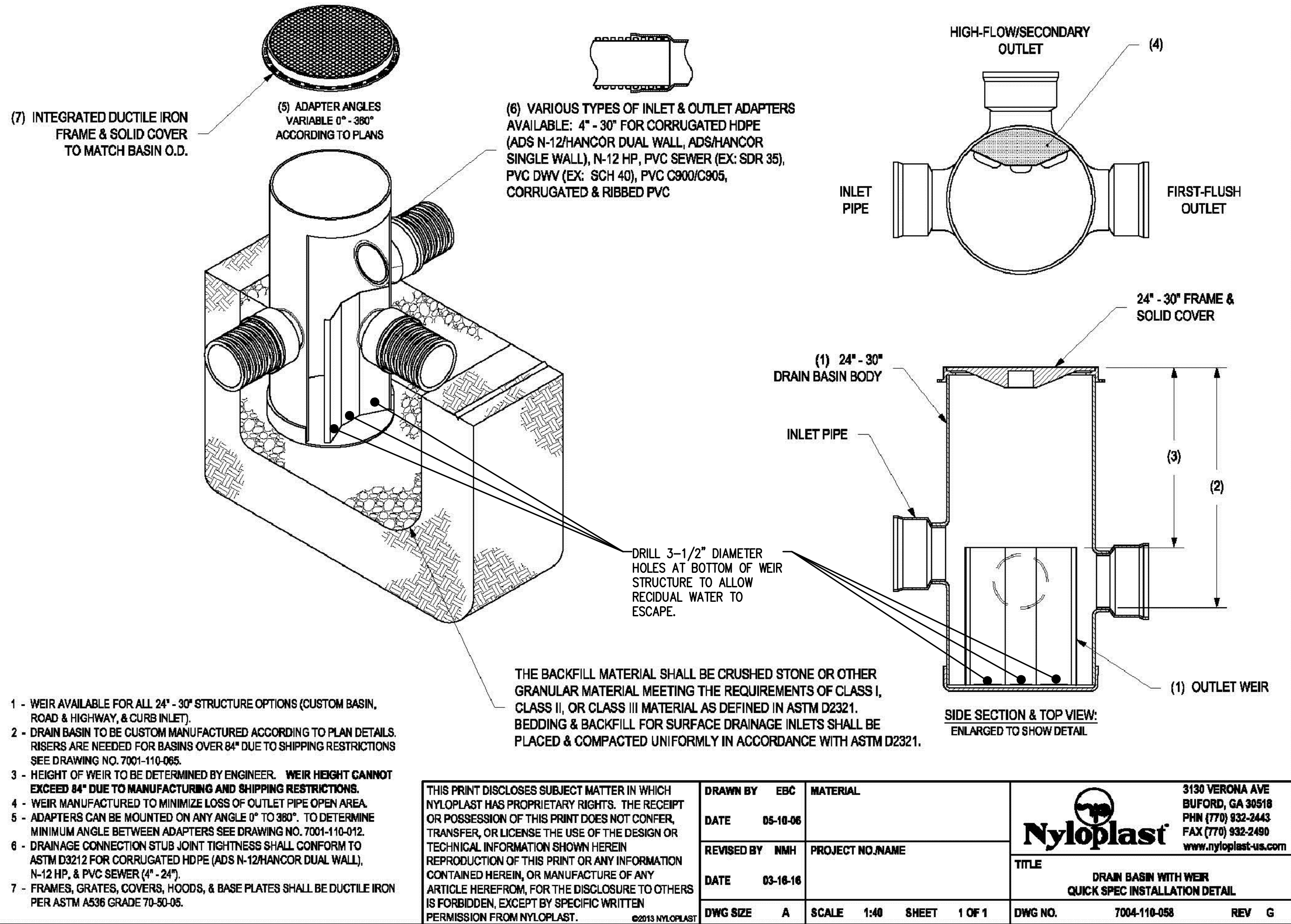
NOTE:
INSTALLING ANY DRYWELL OTHER THAN A MAXWELL REQUIRES
A SUBMITTAL FOR THE PROJECT ENGINEER'S APPROVAL



The MaxWell® IV
Manufactured and installed by
TORRENT RESOURCES
An evolution of McQuay-Norris
www.torrentresources.com
ARIZONA 602-288-0785
NEVADA 702-366-1284
CALIFORNIA 651-547-9386

AZ Lic. R0000488 A, R00004907 R-A, ADWR 363
CALIF. R0000000 A, R0000000
NV Lic. 0000000 A, R0000000
U.S. Patent No. 6,920,235 ©2003 NYLOPLAST

NYLOPLAST DRAIN BASIN WITH WEIR



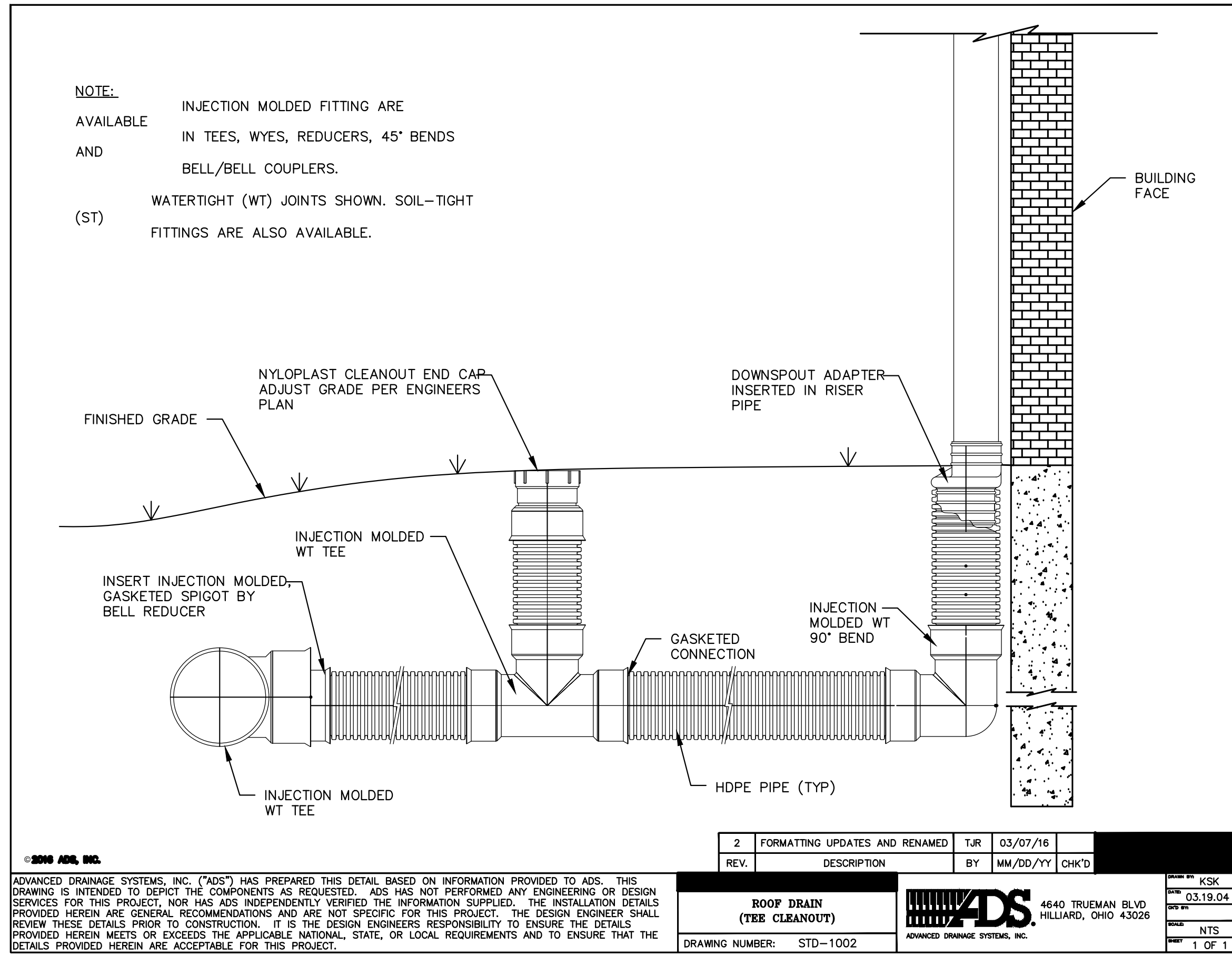
NYLOPLAST - ENGINEERED SURFACE DRAINAGE PRODUCTS

GENERAL
PVC SURFACE DRAINAGE INLETS SHALL INCLUDE THE DRAIN BASIN TYPE AS INDICATED ON THE CONTRACT DRAWING AND REFERENCED WITHIN THE CONTRACT SPECIFICATIONS. THE DUCTILE IRON GRATES FOR EACH OF THESE FITTINGS ARE TO BE CONSIDERED AN INTEGRAL PART OF THE SURFACE DRAINAGE INLET AND SHALL BE FURNISHED BY THE SAME MANUFACTURER. THE SURFACE DRAINAGE INLETS SHALL BE AS MANUFACTURED BY NYLOPLAST A DIVISION OF ADVANCED DRAINAGE SYSTEMS, INC. OR PRIOR APPROVED EQUAL.

MATERIALS
THE DRAIN BASINS REQUIRED FOR THIS CONTRACT SHALL BE MANUFACTURED FROM PVC PIPE STOCK, UTILIZING A THERMOFORMING PROCESS TO REFORM THE PIPE STOCK TO THE SPECIFIED CONFIGURATION. THE DRAINAGE PIPE CONNECTION STUBS SHALL BE MANUFACTURED FROM PVC PIPE STOCK AND DROMED TO PROVIDE A WATER TIGHT CONNECTION WITH THE SPECIFIED PIPE SYSTEM. THIS JOINT TIGHTNESS SHALL CONFORM TO ASTM F427. THE PIPE BELL SPIGOT SHALL BE JOINED TO THE MAIN BOOT OF THE DRAIN BASIN OR CATCH BASIN. THE RAW MATERIAL USED TO MANUFACTURE THE PIPE STOCK THAT IS USED TO MANUFACTURE THE MAIN BODY AND PIPE STUBS OF THE SURFACE DRAINAGE INLETS SHALL CONFORM TO ASTM D1784 CELL CLASS 12454.

THE GRATES AND FRAMES FURNISHED FOR ALL SURFACE DRAINAGE INLETS SHALL BE DUCTILE IRON FOR SIZES 8", 10", 12", 15", 18", 24" AND 30" AND SHALL BE MADE SPECIFICALLY FOR EACH BASIN SO AS TO PROVIDE A ROUND BOTTOM FLANGE THAT CLOSELY MATCHES THE DIAMETER OF THE SURFACE DRAINAGE INLET. GRATES FOR DRAIN BASINS SHALL BE CAPABLE OF SUPPORTING VARIOUS WHEEL LOADS AS SPECIFIED BY NYLOPLAST. 12" AND 15" SQUARE GRATES WILL BE HINGED TO THE FRAME USING PINS. DUCTILE IRON USED IN THE MANUFACTURE OF THE CASTINGS SHALL CONFORM TO ASTM A536 GRADE 70-50-05. GRATES AND COVERS SHALL BE PROVIDED PAINTED BLACK.

INSTALLATION
THE SPECIFIED PVC SURFACE DRAINAGE INLET SHALL BE INSTALLED USING CONVENTIONAL FLEXIBLE PIPE BACKFILL MATERIALS AND PROCEDURES. THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING AND BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE WELL PLACED AND COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321. THE DRAIN BASIN BODY WILL BE CUT AT THE TIME OF THE FINAL GRADE. NO BRICK, STONE OR CONCRETE BLOCK WILL BE REQUIRED TO SET THE GRATE TO THE FINAL GRADE HEIGHT. FOR LOAD RETED INSTALLATIONS, A CONCRETE SLAB SHALL BE POURED UNDER AND AROUND THE GRATE AND FRAME. THE CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, AND OTHER APPLICABLE DESIGN FACTORS. FOR OTHER INSTALLATION CONSIDERATIONS SUCH AS MIGRATION OF FINES, GROUND WATER, AND SOFT FOUNDATIONS REFER TO ASTM D2321 GUIDELINES.

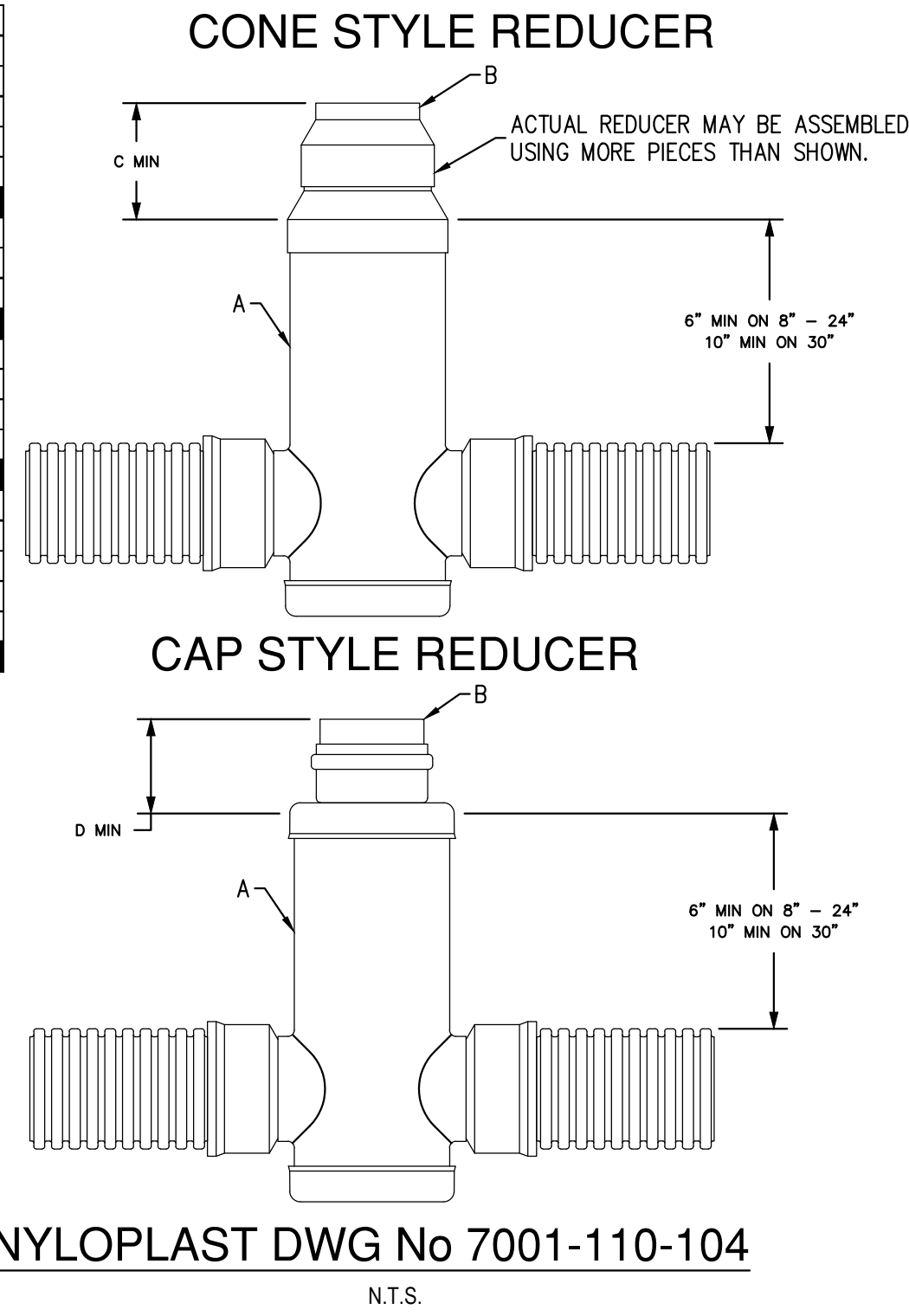


ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DETECT THE CONFORMANCE AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO INSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

| REV. | DESCRIPTION | BY | DATE | CHK'D |
|------|-------------------------------|----------|----------|-------|
| 1 | FORMATING UPDATES AND RENAMED | TJR | 03/07/16 | |
| 2 | FORMATING UPDATES AND RENAMED | MM/DD/YY | CHK'D | |
| 3 | ROOF DRAIN (TYP. CLEANOUT) | | | |
| 4 | DRAINAGE NUMBER: STD-1002 | | | |

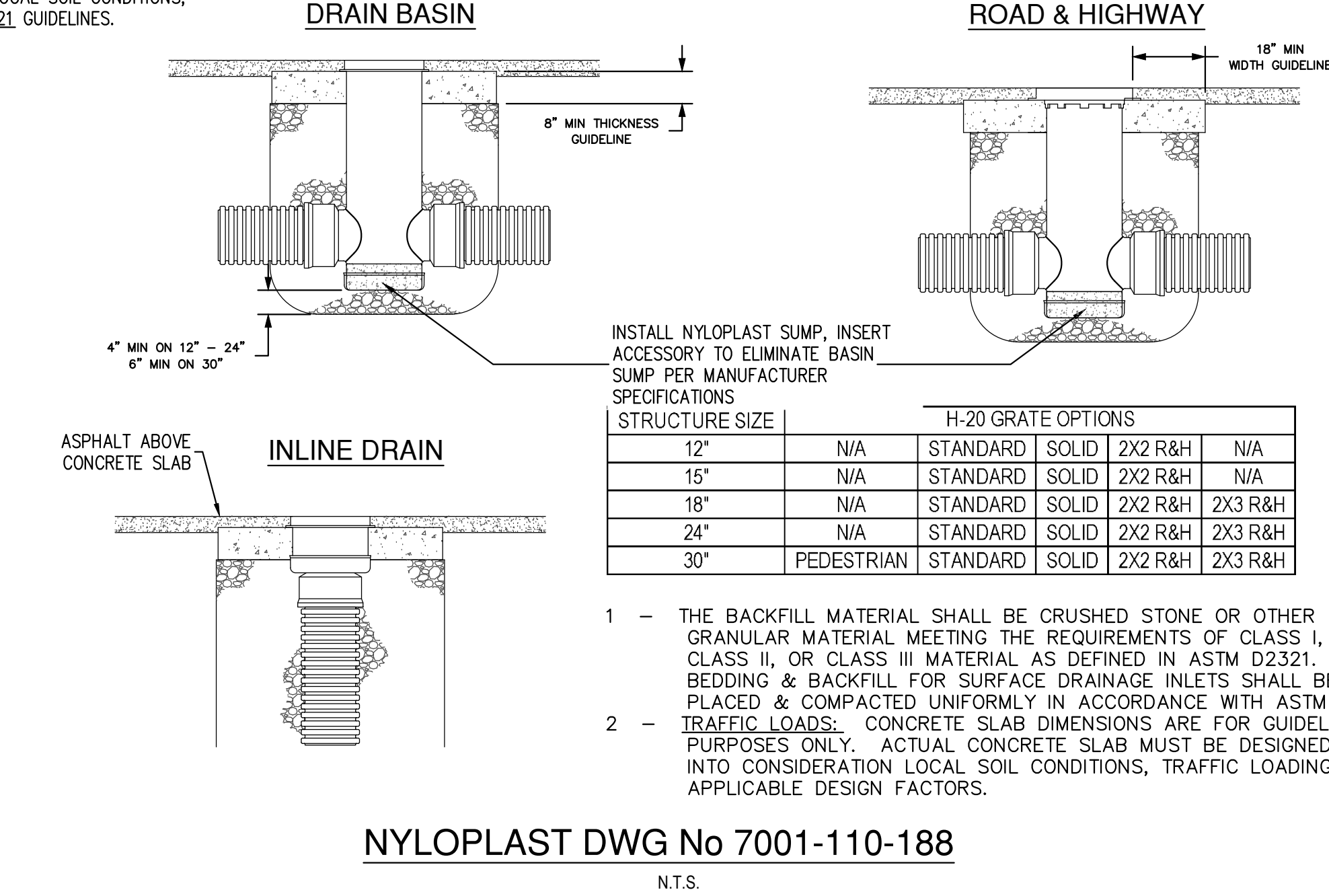
| A | B | C | D |
|-----|-----|-------|-------|
| 10" | 8" | 6.00 | 9.00 |
| 12" | 8" | 12.00 | 9.00 |
| 12" | 10" | 6.00 | 10.00 |
| 15" | 8" | 18.50 | 9.00 |
| 15" | 10" | 12.50 | 10.00 |
| 15" | 12" | 6.50 | |
| 18" | 8" | 25.50 | 9.00 |
| 18" | 10" | 18.50 | 10.00 |
| 18" | 12" | 13.50 | 11.50 |
| 18" | 15" | 7.00 | |
| 24" | 8" | 36.50 | 9.00 |
| 24" | 10" | 30.50 | 10.00 |
| 24" | 12" | 24.50 | 11.00 |
| 24" | 15" | 18.00 | 12.00 |
| 24" | 18" | 11.00 | |
| 30" | 8" | 46.50 | 9.00 |
| 30" | 10" | 40.50 | 10.00 |
| 30" | 12" | 34.50 | 11.50 |
| 30" | 15" | 28.00 | 12.00 |
| 30" | 18" | 21.00 | 14.50 |
| 30" | 24" | 13.50 | |

NOTE: DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY



NYLOPLAST DWG No 7001-110-104
N.T.S.

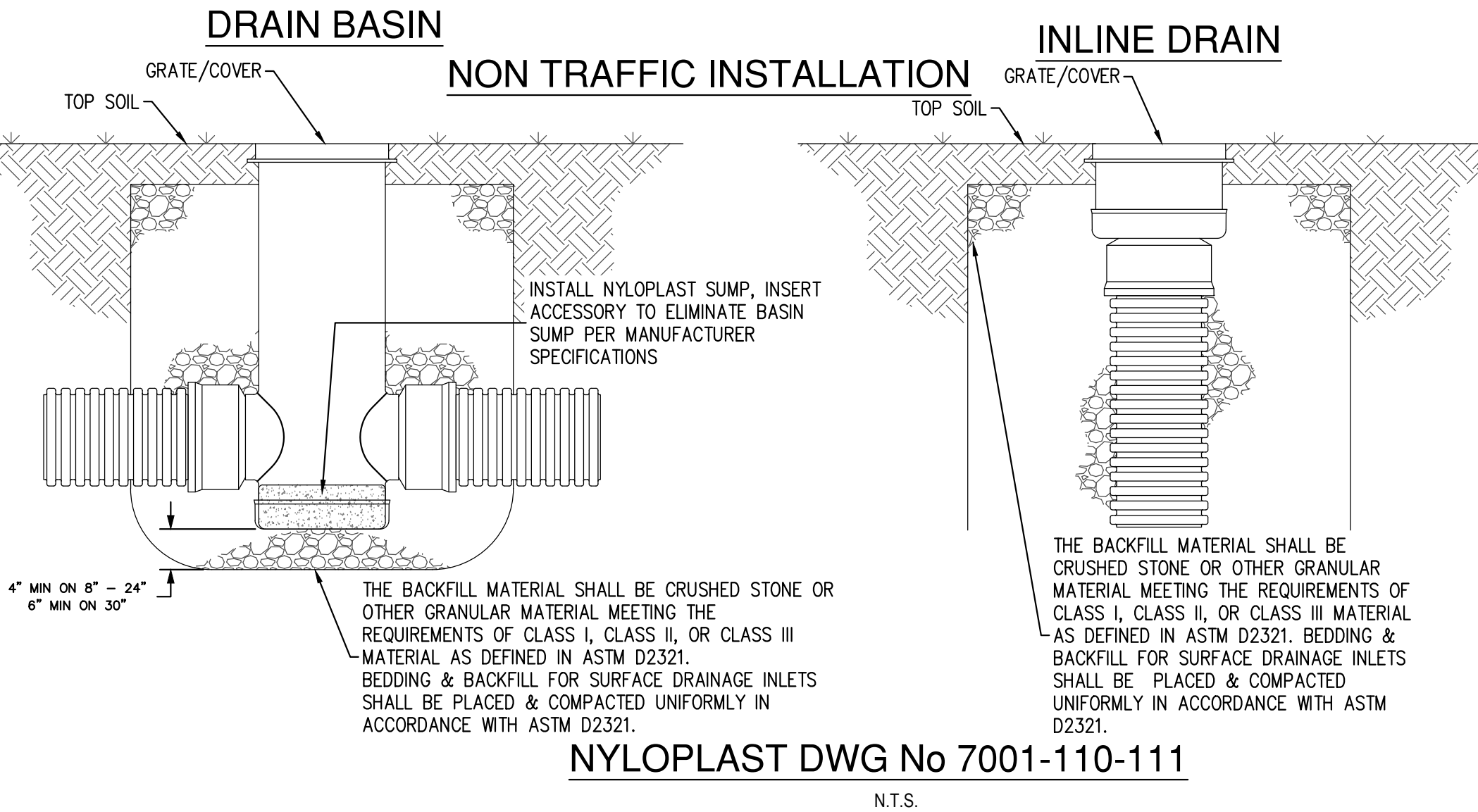
ASPHALT INSTALLATION



- 1 - THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
- 2 - TRAFFIC LOADS. CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

NYLOPLAST DWG No 7001-110-188

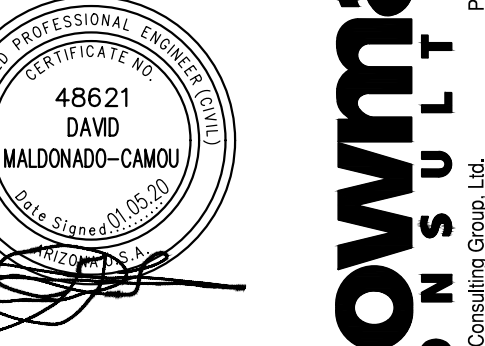
N.T.S.



NYLOPLAST DWG No 7001-110-111

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602.257.9029
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Scottsdale Unified School District
Cherokee Elementary School
Replacement
8801 N 56th Street, Paradise Valley, AZ 85263

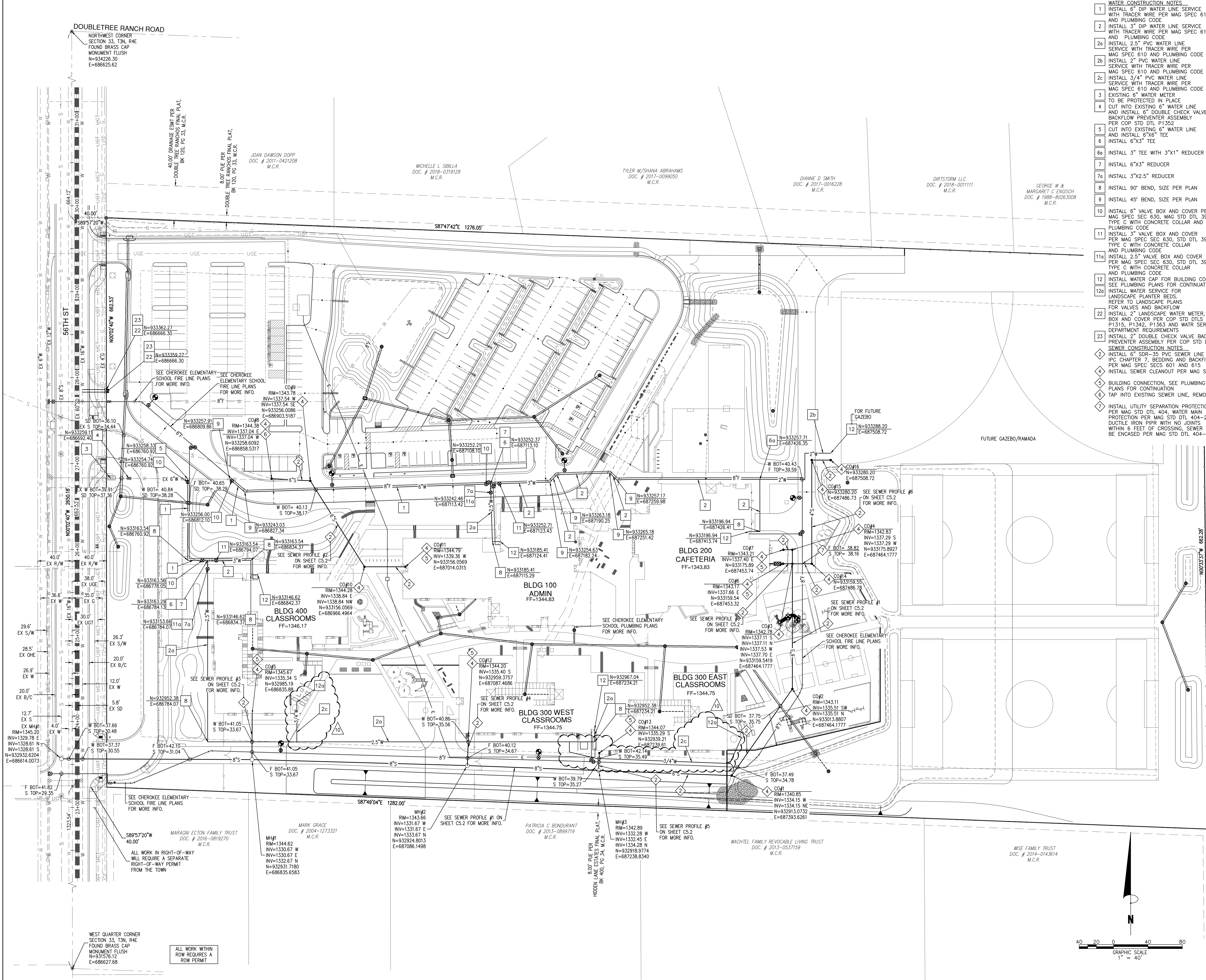
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PROJECT NO. 050641-01-001
DATE OF ISSUE 10.10.19
REVISION NO. A
DATE 12.10.19

PROJECT TEAM BOWMAN
DRAWN BY LGR
PROJECT PHASE PERMIT SET

SHEET CONTENTS
GRADING DETAILS
SHEET
SHEET NO.

C4.8



- WATER CONSTRUCTION NOTES**
1. INSTALL 6" DIP WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
 2. INSTALL 3" DIP WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
 - 2a. INSTALL 2.5" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
 - 2b. INSTALL 2" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
 - 2c. INSTALL 3/4" PVC WATER LINE SERVICE WITH TRACER WIRE PER MAG SPEC 610 AND PLUMBING CODE
 3. EXISTING 6" WATER METER TO BE PROTECTED IN PLACE
 4. CUT INTO EXISTING 6" WATER LINE AND INSTALL 6" DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY PER COP STD DTL P1352
 5. CUT INTO EXISTING 6" WATER LINE AND INSTALL 6"x6" TEE
 6. INSTALL 6"x3" TEE
 - 6a. INSTALL 3" TEE WITH 3"x1" REDUCER
 7. INSTALL 6"x3" REDUCER
 - 7a. INSTALL 3"x2.5" REDUCER
 8. INSTALL 90° BEND, SIZE PER PLAN
 9. INSTALL 45° BEND, SIZE PER PLAN
 10. INSTALL 6" VALVE BOX AND COVER PER MAG SPEC SEC 630, MAG STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
 11. INSTALL 3" VALVE BOX AND COVER PER MAG SPEC SEC 630, STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
 - 11a. INSTALL 2.5" VALVE BOX AND COVER PER MAG SPEC SEC 630, STD DTL 391-1 TYPE C WITH CONCRETE COLLAR AND PLUMBING CODE
 12. INSTALL WATER CAP FOR BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
 - 12a. INSTALL WATER SERVICE FOR LANDSCAPE PLANTER BEDS, REFER TO LANDSCAPE PLANS FOR VALVES AND BACKFLOW
 22. INSTALL 2" LANDSCAPE WATER METER, BOX AND COVER PER COP STD DTL P1315, P1342, P1363 AND WATER SERVICE DEPARTMENT REQUIREMENTS
 23. INSTALL 2" DOUBLE CHECK VALVE BACKFLOW PREVENTER ASSEMBLY PER COP STD DTL P1352
- SEWER CONSTRUCTION NOTES**
2. INSTALL 6" SDR-35 PVC SEWER LINE PER IPC CHAPTER 7, BEDDING AND BACKFILL PER MAG SPEC SECS 601 AND 615
 4. INSTALL SEWER CLEANOUT PER MAG STD DTL 441
 5. BUILDING CONNECTION, SEE PLUMBING PLANS FOR CONTINUATION
 6. TAP INTO EXISTING SEWER LINE, REMOVE AS NEEDED
 7. INSTALL UTILITY SEPARATION PROTECTION PER MAG STD DTL 404-2, DUCTILE IRON PIPE WITH NO JOINTS WITHIN 6 FEET OF CROSSING. SEWER TO BE ENCASED PER MAG STD DTL 404-3

orcutt winslow

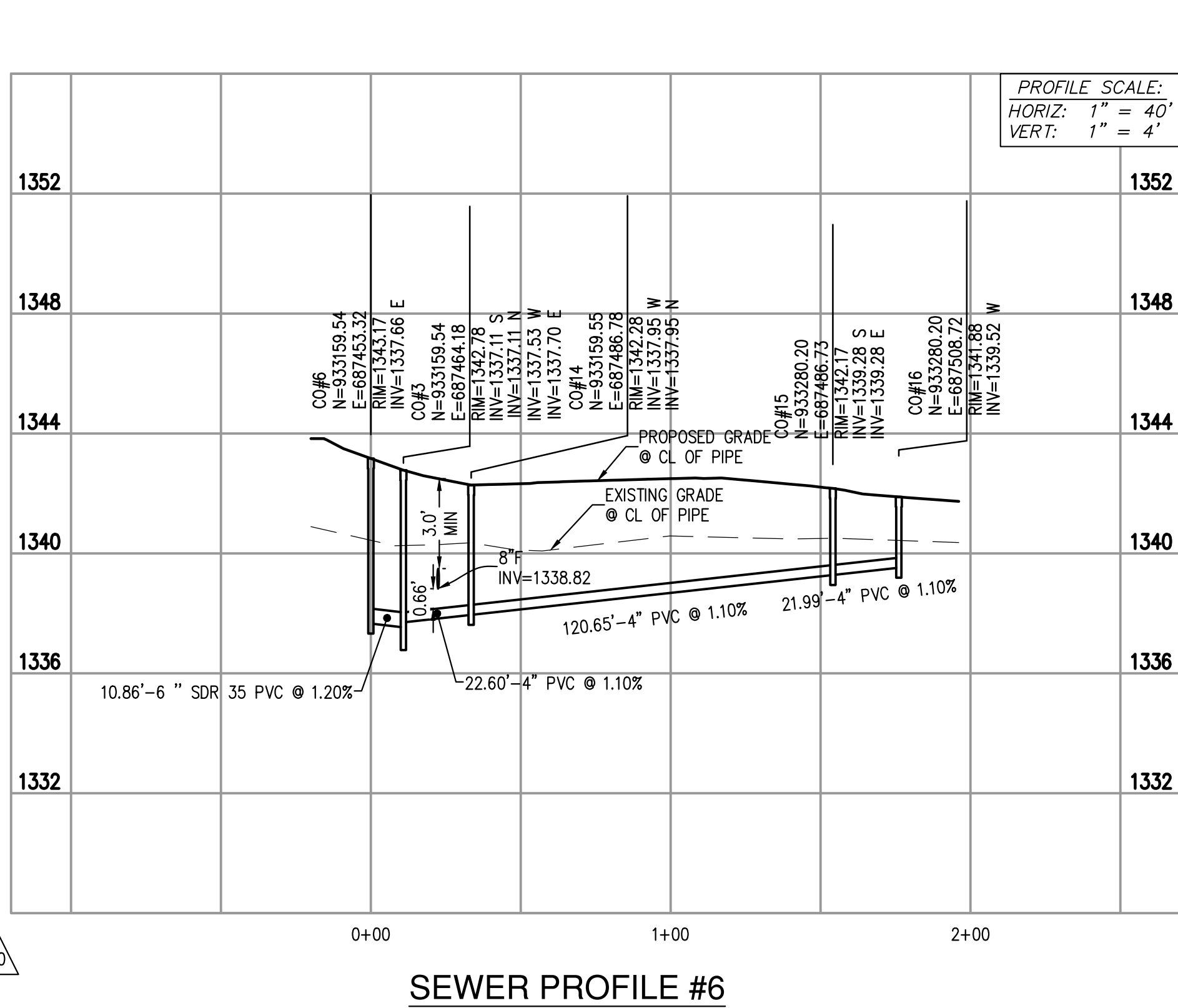
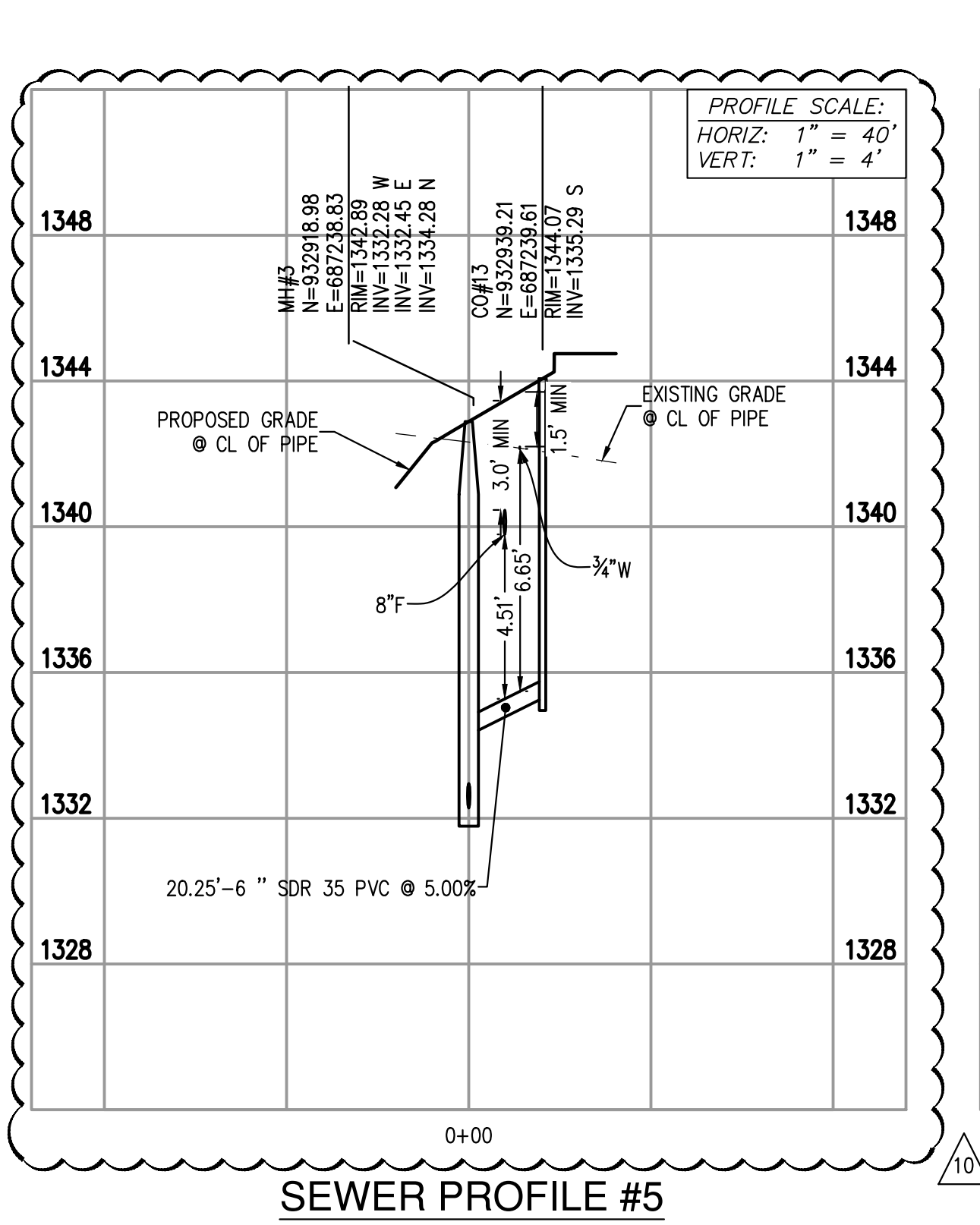
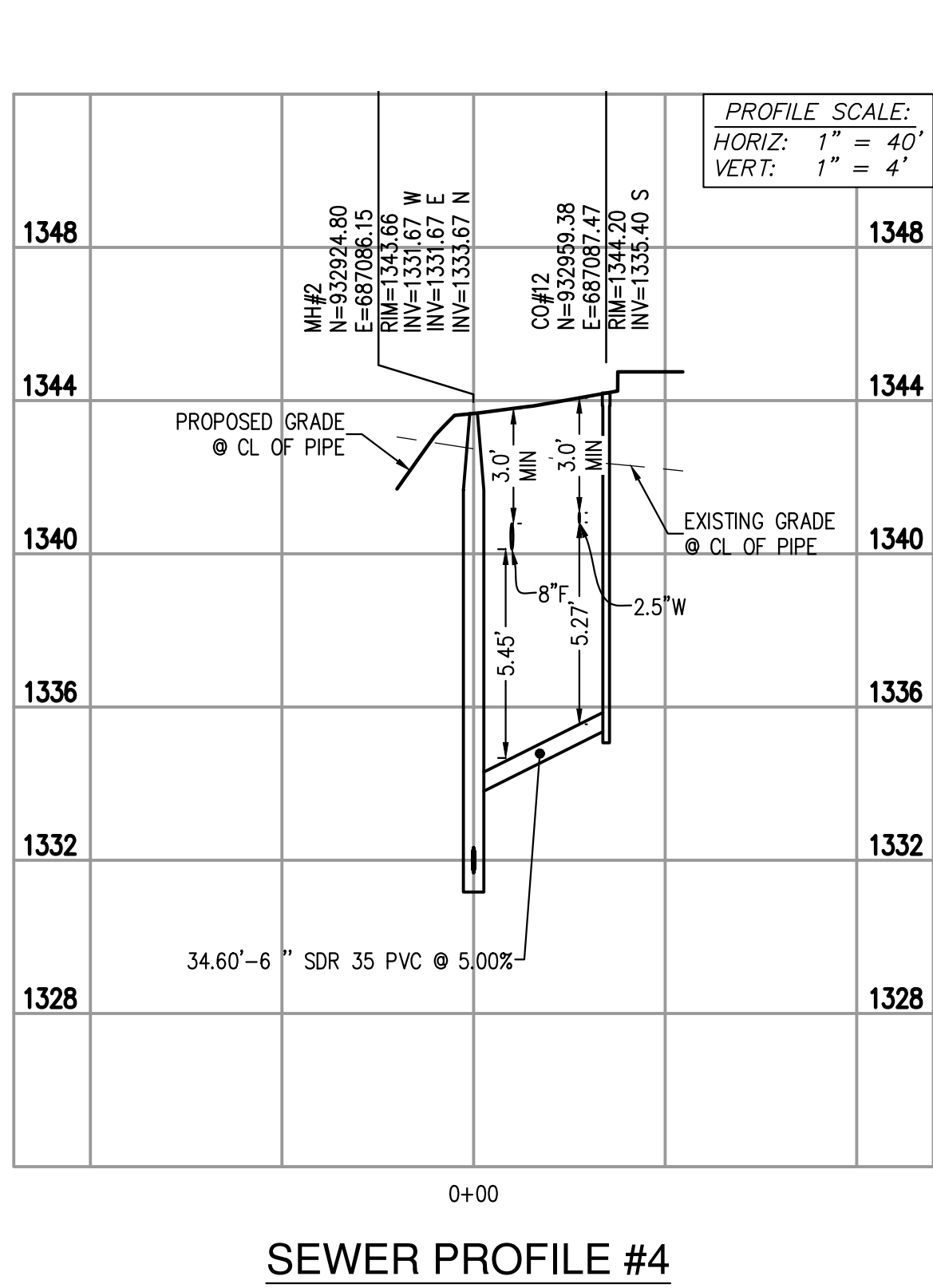
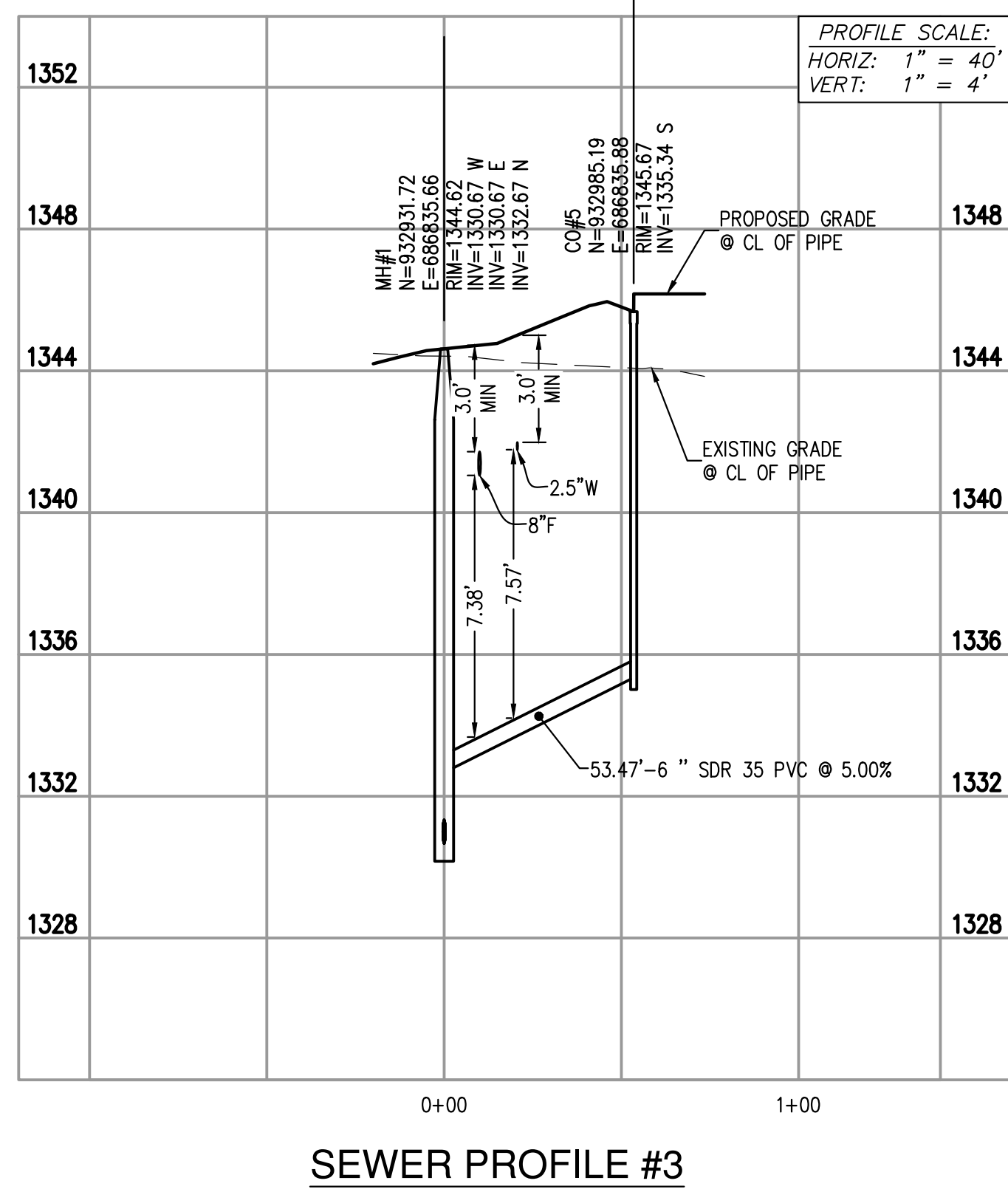
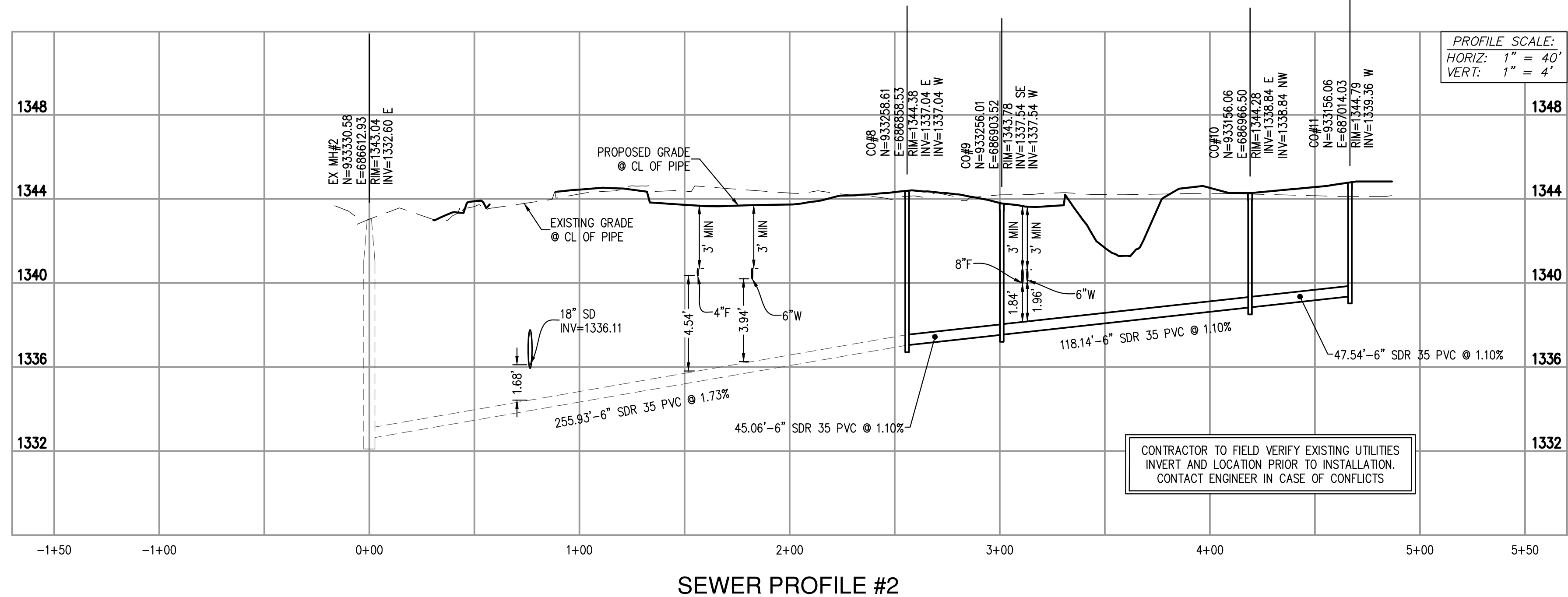
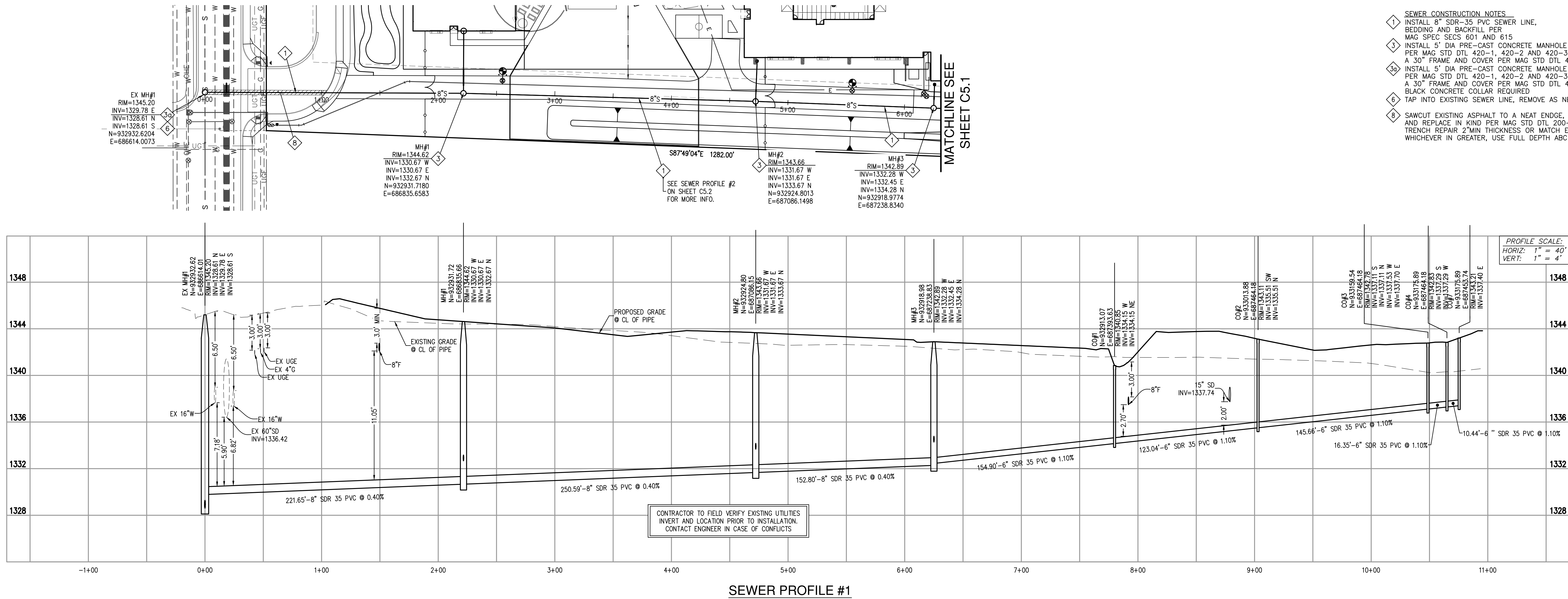


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Scottsdale Unified School District
Cherokee Elementary School Replacement
8801 N 56th Street, Paradise Valley, AZ 85263

| | |
|--|---------------|
| CLIENT CONTACT | |
| Dennis Roehler 9288 E. San Salvador Dr. Scottsdale, AZ 85258 480.484.8503 t | |
| PROJECT NO. | DATE OF ISSUE |
| 050641-01-001 | 10.10.19 |
| REVISION NO. | DATE |
| 1 | 12.10.19 |
| 10 | 03.25.20 |
| PROJECT TEAM | |
| BOWMAN LGR | |
| PROJECT PHASE | |
| PERMIT SET | |
| SHEET CONTENTS | |
| UTILITY PLAN | |
| SHEET NO. | |
| C5.1 | |

Call at least two full working days before you begin excavation.
ARIZONA 811
Dial 811 or 1-800-STREET (1-800-5348)
in Maricopa County (602) 263-1100



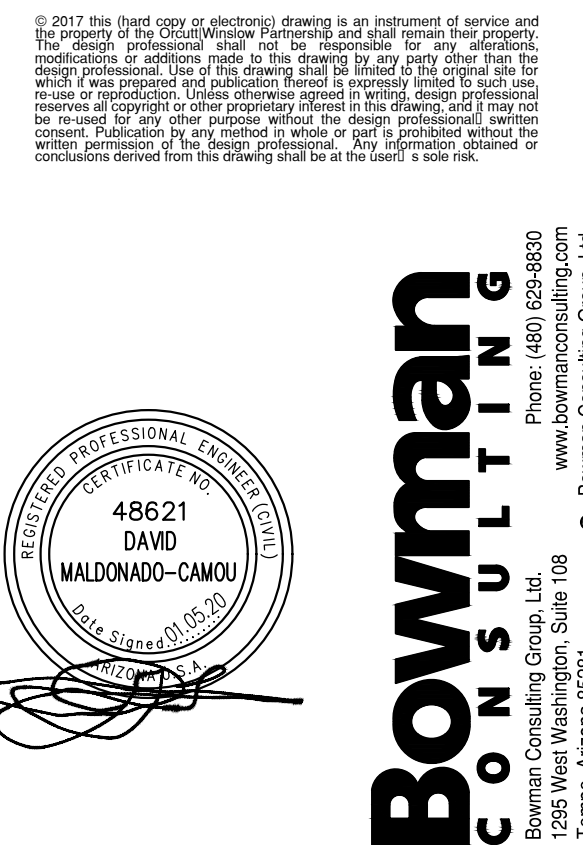
- SEWER CONSTRUCTION NOTES
- INSTALL 8" SDR-35 PVC SEWER LINE, BEDDING AND BACKFILL PER MAG SPEC SECS 601 AND 615
 - INSTALL 5' DIA PRE-CAST CONCRETE MANHOLE PER MAG STD DTL 420-1, 420-2 AND 420-3 WITH A 30" FRAME AND COVER PER MAG STD DTL 424
 - INSTALL 5' DIA PRE-CAST CONCRETE MANHOLE PER MAG STD DTL 420-1, 420-2 AND 420-3 WITH A 30" FRAME AND COVER PER MAG STD DTL 424, BLACK CONCRETE COLLAR REQUIRED
 - TAP INTO EXISTING SEWER LINE, REMOVE AS NEEDED
 - SAWCUT EXISTING ASPHALT TO A NEAT EDGE, REMOVE AND REPLACE IN KIND PER MAG STD 200-1 T-TOP, TRENCH REPAIR 2" MIN THICKNESS OR MATCH EXISTING, WHICHEVER IN GREATER, USE FULL DEPTH ABC

orcutt winslow

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oneil.l@owp.com

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602.257.9029 1

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Scottsdale Unified School District Cherokee Elementary School Replacement

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03.25.20

PROJECT TEAM BOWMAN
DRAWN BY LGR

PROJECT PHASE PERMIT SET

SHEET CONTENTS
SEWER PROFILES
SHEET
SHEET NO.

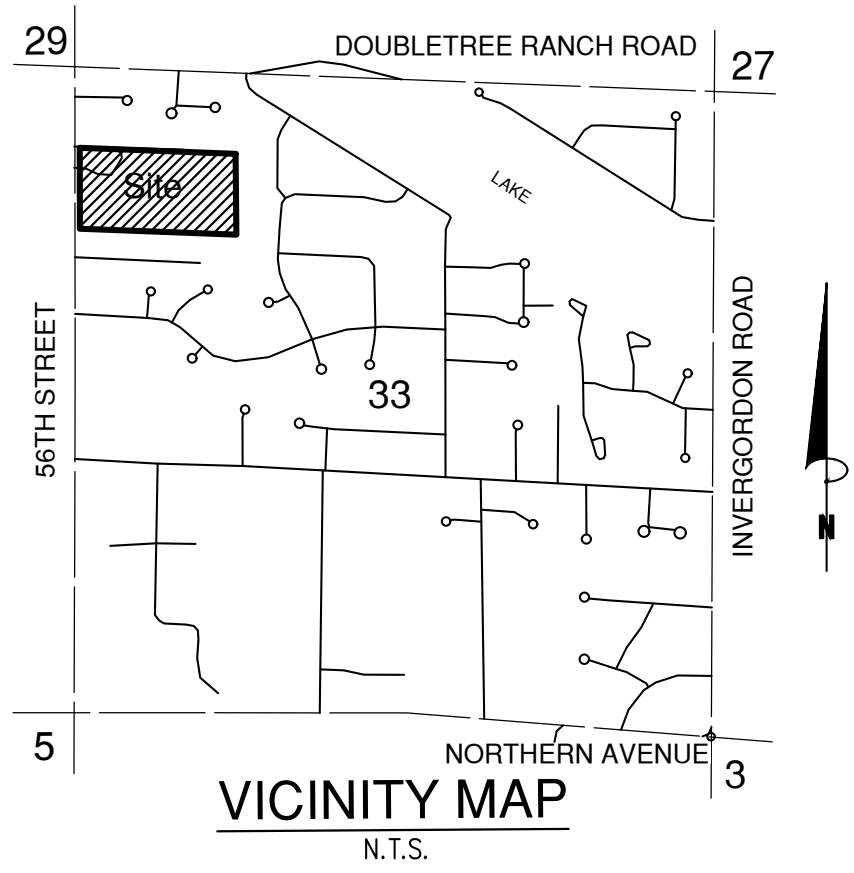
ALL WORK WITHIN
ROW REQUIRES A
ROW PERMIT

Call at least two full working days
before you begin excavation.
ARIZONA 801
Arizona Blue State, Inc.
One 9-11 or 1-800-STAKE-IT (762-5349)
in Maricopa County (602) 203-1100

C5.2

CHEROKEE ELEMENTARY SCHOOL
STORM WATER POLLUTION PREVENTION PLAN
PARADISE VALLEY, ARIZONA

A PORTION OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 3 NORTH, RANGE 4 EAST
OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA



LEGAL DESCRIPTION

THE SOUTH HALF OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 3 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY ARIZONA;

EXCEPT THE WEST 40 FEET THEREOF AS CONVEYED TO MARICOPA COUNTY BY GRANT DEED RECORDED IN DOCKET 1269, PAGE 73.

APH: 168-43-003

PROJECT DESCRIPTION

CHEROKEE ELEMENTARY SCHOOL IS A 19.43-ACRE PARCEL OF LAND LOCATED ON 8801 NORTH 56TH STREET IN PARADISE VALLEY, ARIZONA. THE SITE IS ZONED R-435.

SITE INFO

NET ACREAGE= 19.431 ACRES
TOTAL AREA TO BE DISTURBED= 18.43 ACRES

NOTE

NO WORK OF ANY KIND MAY OMENCE UNTIL ALL STORM WATER POLLUTION BMPs ARE INSTALLED, INSPECTED AND APPROVED BY THE TOWN.

SEDIMENTATION CONTROL DEVICES (SILT BARRIERS) SHALL REMAIN IN PLACE AFTER DEMOLITION IS COMPLETE. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED MONTHLY, AFTER EACH RAIN EVENT AND MAINTAINED AS NEEDED TO BE KEPT IN PROPER WORKING ORDER BY PERMIT APPLICANT AND/OR OWNER.

SEDIMENTATION CONTROL DEVICE INSPECTION LOG SHALL BE MAINTAINED BY APPLICANT AND/OR OWNER AND MADE AVAILABLE TO THE TOWN UPON REQUEST.

LEGEND

1 CONSTRUCTION NOTE CALLOUT

STABILIZED CONSTRUCTION ENTRANCE

PROPOSED DRAINAGE PATTERN

DUST CONTROL

FILTER BARRIER

ULTIMATE STORM OUTFALL

SEDIMENT WATTLE BARRIER

SHEET INDEX

SW01 STORM WATER POLLUTION PREVENTION PLAN
SW02 GENERAL NOTES AND DETAIL SHEET

OWNER

SCOTTSDALE UNIFIED SCHOOL DISTRICT.
9288 E. SAN SALVADOR DRIVE
SCOTTSDALE, ARIZONA 85258
CONTACT: DENNIS ROEHLER
PHONE: 480.484.8503

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ORCUTT WINSLOW
2929 N CENTRAL AVENUE
PHOENIX, ARIZONA 85012
PHONE: 602.257.1764
CONTACT: FATIMA GARCIA
EMAIL: Garcia.F@owp.com

CIVIL ENGINEER

BOWMAN CONSULTING
1235 W WASHINGTON ST
SUITE 108
TEMPE, AZ 85281
PHONE: 480.628.8830
ENGINEER: DAVID MALDONADO-CAMOU
E-MAIL: dmaldonado@bowmanconsulting.com

CONSTRUCTION NOTES:

- NO WORK OF ANY KIND MAY COMMENCE CONSTRUCT RETENTION BASINS IN ACCORDANCE WITH THE GRADING & DRAINAGE PLAN. CONSTRUCTION BASINS SHALL ALSO ACT AS SEDIMENTATION BASINS DURING THE CONSTRUCTION PHASE.
- PLACE FIBER ROLLS, PER BMP SPC-1, OR GEOTEXTILE FABRIC AT CATCH BASINS & CURB OPENINGS TO PREVENT SEDIMENTATION FROM ENTERING.
- STREETS SHALL BE SWEEPED WHEN SEDIMENT IS PRESENT AND KEPT FREE OF TRACK OUT PER GH-6
- POST SIGN NEAR MAIN ENTRANCE WITH AZPDES AUTHORIZATION NUMBER, NAME AND TELEPHONE NUMBER OF CONTACT PERSON AND A BRIEF DESCRIPTION OF PROJECT.
- CONSTRUCT AND MAINTAIN A 30' WIDE x 50' LONG STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF A MINIMUM OF 6" OF 1" TO 3" DIAMETER, WASHED, WELL GRADED GRAVEL OR CRUSHED ROCK PER BMP EC-5.
- CONSTRUCT AND MAINTAIN A SEDIMENT BERM ALONG LOW POINT OF THE SITE PER ADOT DTL E5 AND/OR SILT FENCE PER BMP SPC-5 TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- CONSTRUCT AND MAINTAIN A MATERIALS STORAGE/CONSTRUCTION STAGING AND WASHOUT AREA PER BMP'S GH-2, GH-3, GH-4.
- CONSTRUCT AND MAINTAIN SEDIMENT WATTLE BARRIER ALONG THE PROPERTY LINE PER BMP SPC-1 TO PREVENT SEDIMENT FROM LEAVING THE SITE.
- APPLY DUST CONTROL MEASURES OVER DISTURBED AREAS PER BMP EC-7

SWPP CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THIS SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, I BELIEVE THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. IN ADDITION I CERTIFY THAT THE PERMITEE WILL COMPLY WITH ALL TERMS AND CONDITIONS STIPULATED IN GENERAL PERMIT NO. AZG2008-001 ISSUED BY THE DIRECTOR.

PRINTED NAME

SIGNATURE

CONTRACTOR CERTIFICATION

I _____ ACTING AS

FOR THE _____, AN AUTHORIZED REPRESENTATIVE, HAVING REVIEWED THIS STORM WATER MANAGEMENT PLAN (SWMP) AND ALL OF THE RELEVANT DOCUMENTS, DO HEREBY CERTIFY THAT I UNDERSTAND ALL COMPONENTS OF THIS PLAN AND WILL PERFORM ALL REQUIRED INSPECTIONS AND MAINTENANCE ACTIVITIES AS REQUIRED.; AND THAT I WILL MAINTAIN ALL NECESSARY AND REQUIRED RECORDS AT THE JOB SITE AND UP TO DATE.

SIGNATURE

KEY MAP
N.T.S.

MARAGNI ECTON FAMILY TRUST
DOC. # 2016-3819278
M.C.R.

MARK GRACE
DOC. # 2004-1273321
M.C.R.

PATRICIA C BONDURANT
DOC. # 2013-0899719
M.C.R.

WACHTEL FAMILY REVOCABLE LIVING TRUST
DOC. # 2013-0537159
M.C.R.

WISE FAMILY TRUST
DOC. # 2014-0143614
M.C.R.

JOHN J AND ANNE ELIZABETH
MCOLL LIVING TRUST
DOC. # 2005-1878205
M.C.R.

STEVEN E/MARGARET
L MINARD TRUST
DOC. # 2002-0889169
M.C.R.

TIMOTHY F BOWELL
DECLARATION OF TRUST
DOC. # 2016-0119714
M.C.R.

HARTING FAMILY TRUST
DOC. # 2017-0859053
M.C.R.

GLENN HERBERT/LINDA
LOEFFLER LARNERO TRUST
DOC. # 2005-1878205
M.C.R.

EXISTING HYDRANT TO BE
WATER SOURCE FOR POLLUTION
PREVENTION CONTROL

ALL WORK WITHIN
ROW REQUIRES A
ROW PERMIT

THIS SET OF CONSTRUCTION PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES FOR REVIEW AND TO DETERMINE ANY POTENTIAL CONFLICTS.

| UTILITY COMPANY | COMPANY CONTACT | DATE SUBMITTED |
|---------------------------|----------------------------------|----------------|
| SOUTHWEST GAS CORPORATION | HOPE OLGIN - 480.730.3845 | |
| COX COMMUNICATIONS | KEN DEGRAFFENREID - 623.328.3423 | |
| ARIZONA PUBLIC SERVICE | CYNTHIA KEE - 602.371.7667 | |
| CENTURY LINK | ESTHER MEDINA - 480.768.4474 | |
| CITY OF PHOENIX WATER | | |



Scottsdale Unified School District

Cherokee Elementary School
Replacement

8801 N 56th Street, Paradise Valley, AZ 85253

CLIENT CONTACT

Dennis Roehler
9288 E. San Salvador Dr.
Scottsdale, AZ 85258
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PROJECT NO. DATE OF ISSUE
050641-01-001 10.10.19

REVISION NO. DATE
12.10.19

PROJECT TEAM DRAWN BY
BOWMAN LGR

PROJECT PHASE
PERMIT SET

SHEET CONTENTS
STORM WATER POLLUTION
PREVENTION PLAN

SHEET NO.

C6.1

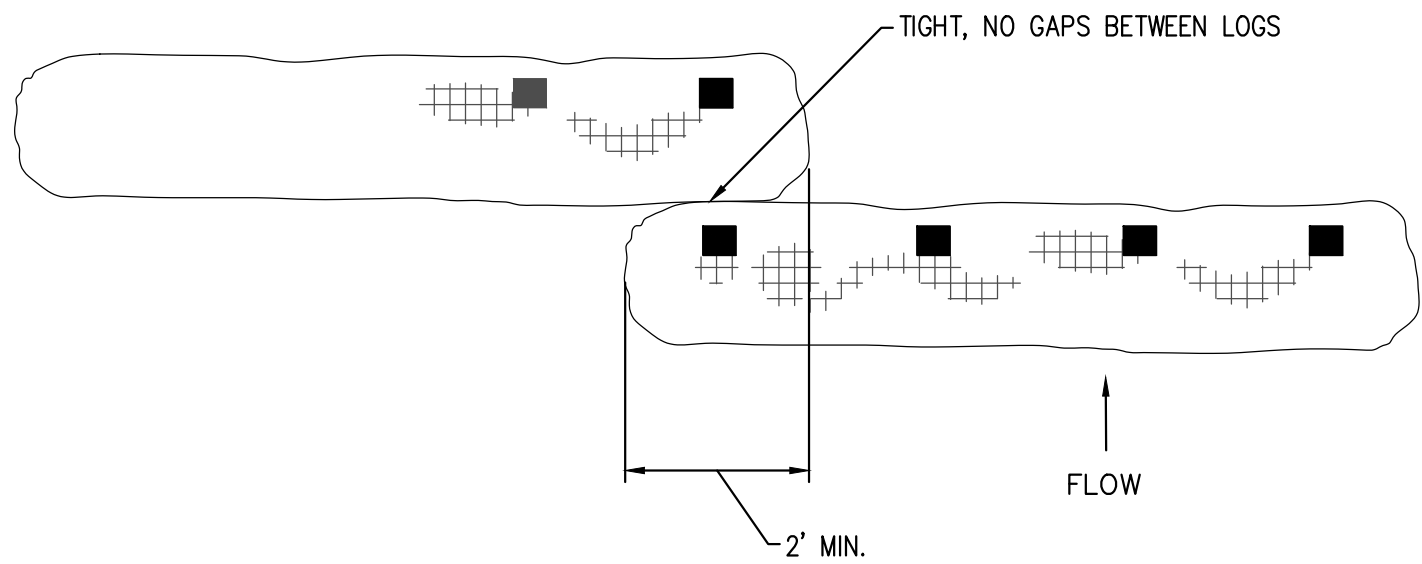
SHT 22 OF 23

2929 n central ave
eleventh floor
phoenix arizona 85012
oneil.l@owp.com
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602.257.9029 f
www.owp.com

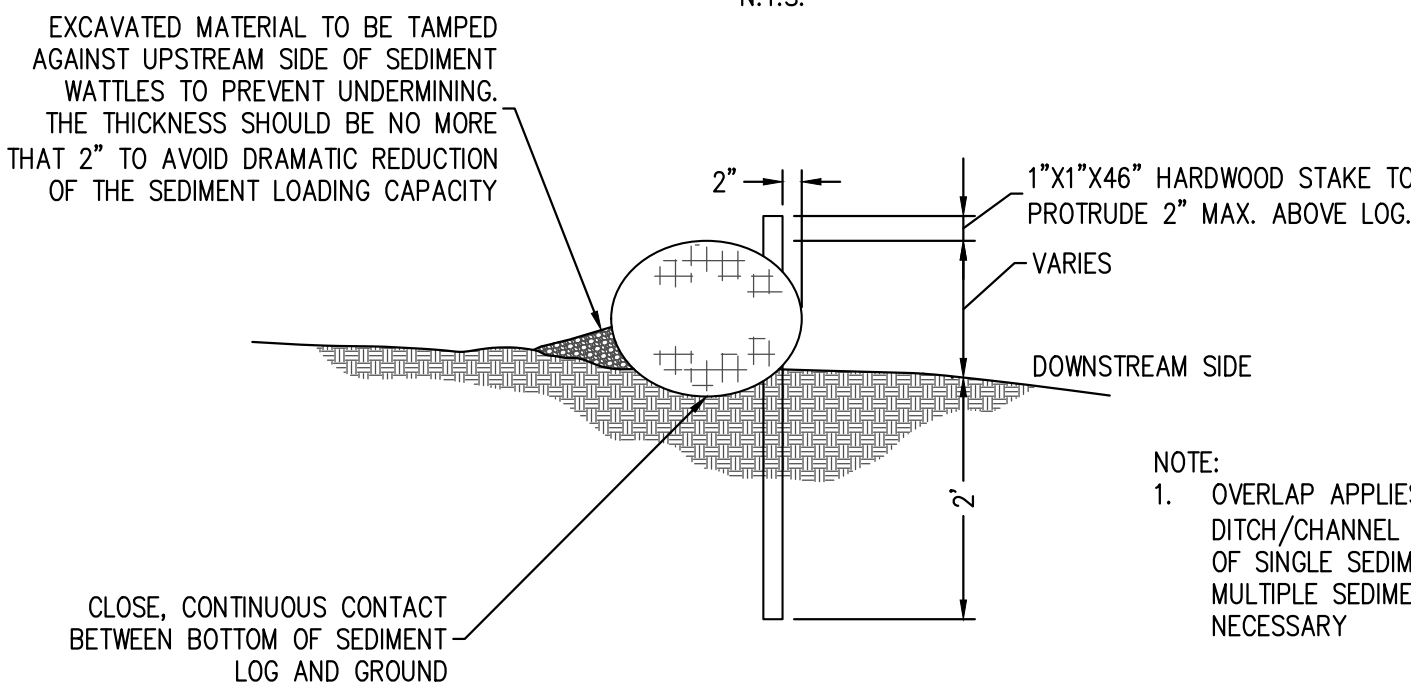
orcutt winslow



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TYPICAL OVERLAP PLAN
N.T.S.



DETAIL SPC-1
SEDIMENT WATTLE/LOG INSTALLATION
N.T.S.

GH-4: DESIGNATED WASHDOWN AREA

PCC AND AC WASTES

- PCC and AC waste should not be allowed to enter storm drains or water courses. Instead, PCC and AC waste should be collected and properly disposed of outside the highway right-of-way or placed in a temporary concrete washout structure.
- Install a sign adjacent to each temporary concrete washout structure to inform concrete equipment operators to utilize the installed structures.
- A foreman and/or construction supervisor should monitor onsite concrete working task, such as sawcutting, coring, grinding and grooving to ensure proper methods are implemented.
- Sawcutting residue should not be allowed to flow across the pavement, and should not be left on the surface of the pavement. Vacuum slurry residue and dispose in a temporary facility and allow slurry to dry; dispose of dry slurry residue in accordance with GH-2: Solid Waste Management.
- Similarly, residue from grinding operations should be picked up by means of a vacuum attachment to the grinding machine.

ONSITE TEMPORARY CONCRETE WASHOUT FACILITY PROCEDURES

- Temporary concrete washout facilities should be located a minimum of 50 feet from storm drain inlets, open drainage facilities, and water courses, unless determined infeasible by the site supervisor. Each facility should be located away from construction traffic or access areas to prevent disturbance or tracking.
- Temporary concrete washout facilities should be constructed above grade or below grade at the option of the contractor and have sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.
- Perform washout concrete mixer trucks in designated areas only. A sign should be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Wash concrete only from mixer truck chutes into approved concrete washout facility. Washout may be collected in an impermeable bag for disposal.

ABOVE GRADE TEMPORARY CONCRETE WASHOUT STRUCTURE

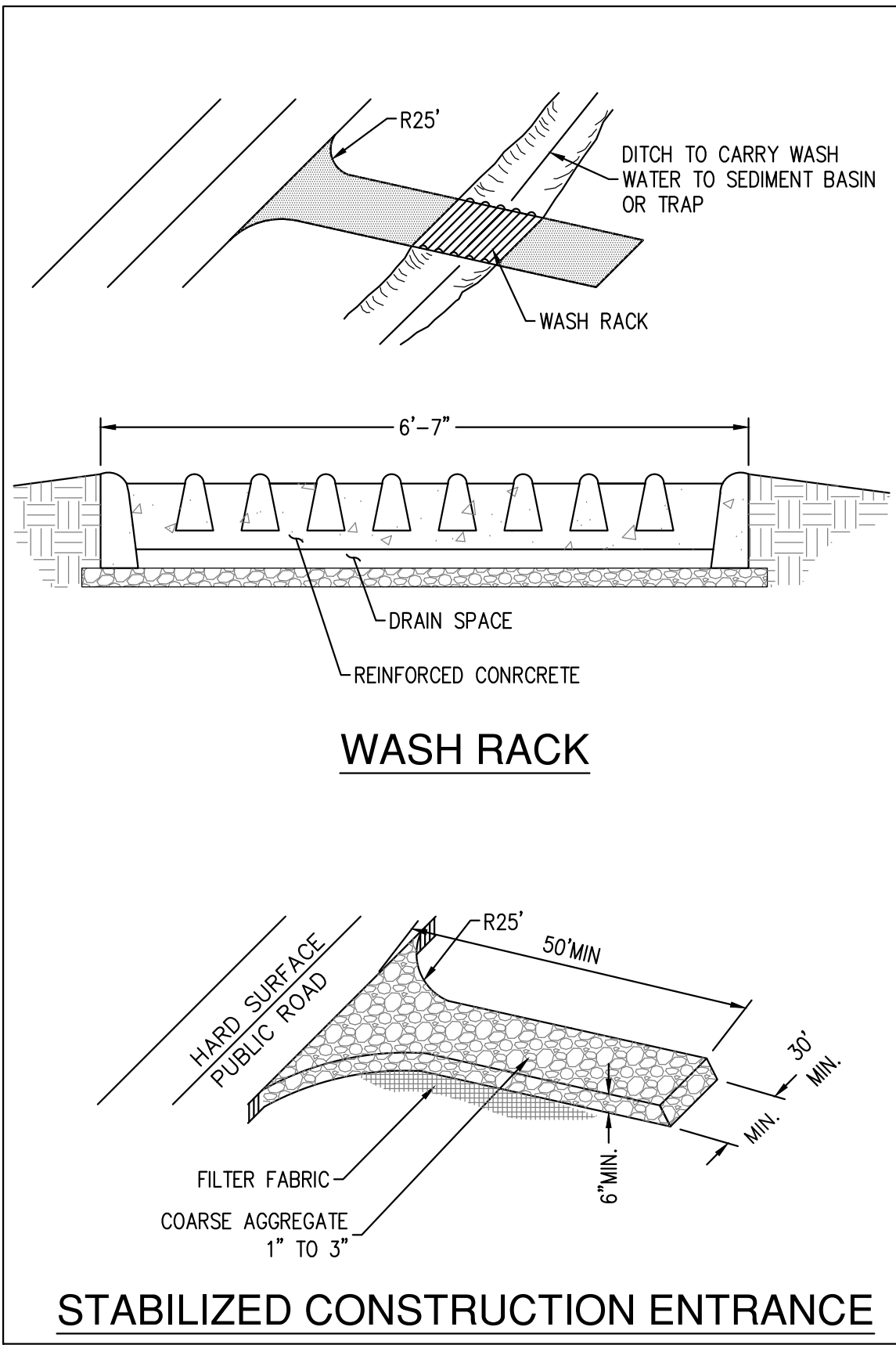
- Above grade temporary concrete washout structures should have a minimum length and width of 10 feet or larger to provide sufficient volume to contain all liquid and concrete waste generated by washout operations. If deemed necessary, the length and width of the washout structure may be expanded for more capacity.
- Straw bales, wood stakes, and sandbag materials should conform to the specifications in SPC-1: Organic Filter Barrier and SPC-2: Sand Bag Barrier.
- Plastic lining material should be a minimum of 10-mil polyethylene sheeting and should be free of holes, tears or other defects that compromise the impermeability of the material.

BELOW GRADE TEMPORARY CONCRETE WASHOUT STRUCTURE

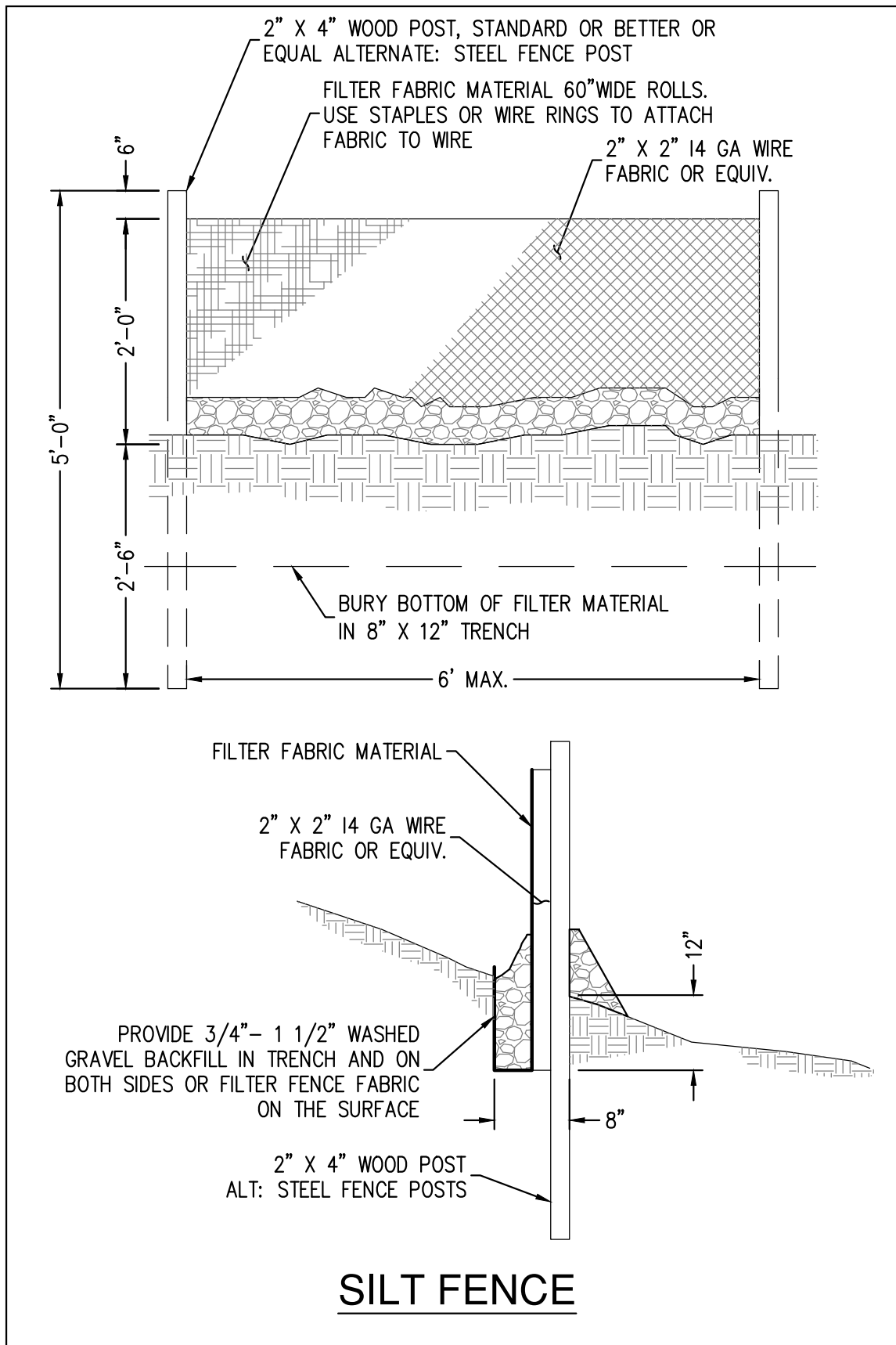
- Below grade temporary concrete washout should have a minimum length and width of 10 feet or larger to provide sufficient volume to contain all liquid and concrete waste generated by washout operations. If deemed necessary, the length and width of the washout structure may be expanded for more capacity.
- Plastic lining material should be a minimum of 10-mil polyethylene sheeting and should be free of holes, tears or other defects that compromise the impermeability of the material.
- Ensure that the soil base is free of rocks or other debris that may cause tears or holes in the plastic lining material. Removal of temporary concrete washout facilities.
- When temporary concrete washout facilities are no longer required for the work, as determined by the site supervisor, hardened concrete should be broken up, removed, and holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled.

RECOMMENDED MAINTENANCE AND INSPECTION

- Monitor on site concrete waste storage and disposal procedures at least weekly.
- Monitor concrete working tasks, such as saw cutting, coring, grinding and grooving to ensure proper methods are employed.



BMP EC-5
N.T.S.



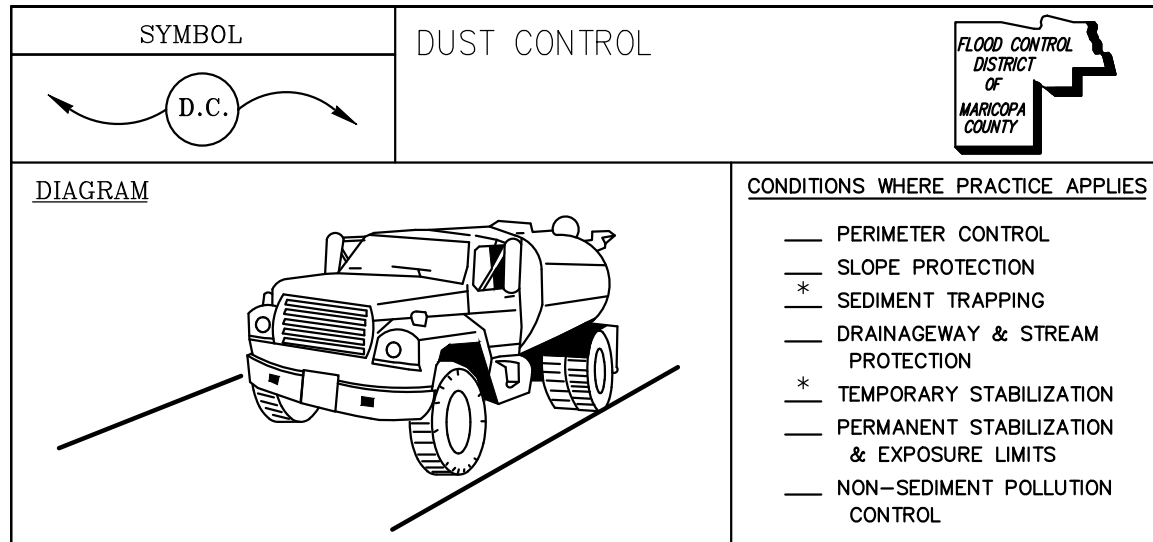
BMP DETAIL SPC-5
N.T.S.

| EC-7: DUST CONTROL | | | |
|--------------------|--|---|---|
| TYPES | FUNCTIONAL MECHANISM | ADVANTAGES | LIMITATIONS |
| FRESH WATER | MOISTURE WETS PARTICLES, THEREBY INCREASING THEIR MASS AND BINDING THEM TOGETHER | USUALLY READILY AVAILABLE, LOW MATERIAL COST, AND EASY TO APPLY | FREQUENT LIGHT APPLICATIONS MAY BE NECESSARY DURING HOT DRY WEATHER AND CAN BE LABOR INTENSIVE. OVER APPLICATION MAY RESULT IN LOSS IN TRACTION, EROSION, OR POINTS OF ROAD FAILURE. |
| SYNTHETIC POLYMER | BIND SOIL PARTICLES TOGETHER BY FORMING A POLYMERIZING MATRIX; A FUNCTION SIMILAR TO ADHESIVES | APPLICABLE TO A RANGE OF EMISSION SOURCES AND FUNCTION WELL IN SANDY SOIL CONDITIONS. SOME TYPES ALLOW SEEDED VEGETATION TO GROW THROUGH THE POLYMER MATRIX | REQUIRE PROPER WEATHER AND TIME TO CURE. WATER REPELLENT, MAY BE SUBJECT TO UV(SUNLIGHT) DEGRADATION. APPLICABLE EQUIPMENT REQUIRES TIMELY CLEANING. THERE IS NO RESIDUAL EFFECTIVENESS AFTER REBLADING |

| INSPECTION AND MAINTENANCE CHECKLIST | | |
|--------------------------------------|--------------------|-------------------------|
| BMP | PERSON RESPONSIBLE | FREQUENCY OF INSPECTION |
| STABILIZED ENTRANCE | | |
| INLET PROTECTION | | |
| SILT FENCE | | |
| CONCRETE WASHOUT | | |



GEOTEXTILE FABRIC SEAL
BMP SPC-1



BMP EC-7
N.T.S.

GH-2 Solid Waste Management Photos



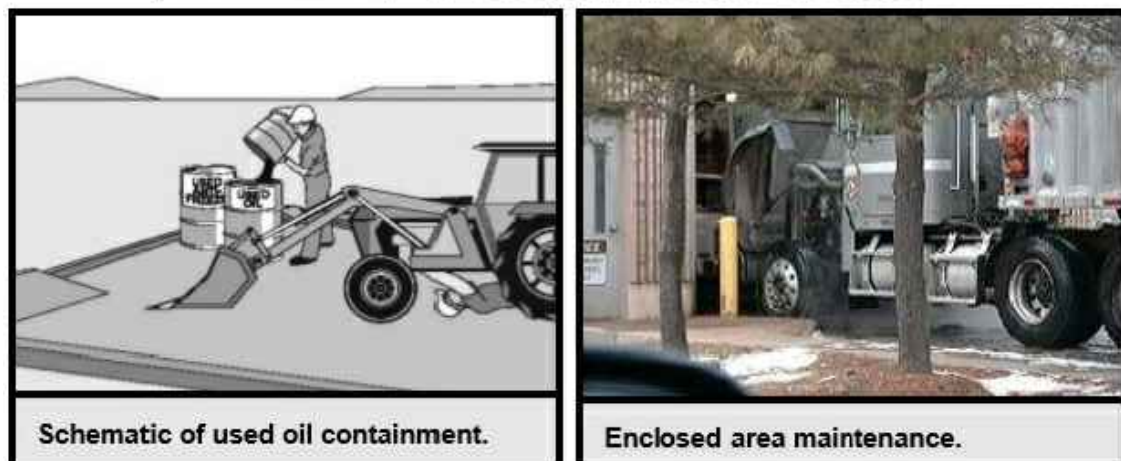
BMP GH-2
N.T.S.

GH-6 Road Sweeping/Trackout Cleaning Photos



BMP GH-6
N.T.S.

GH-3 Equipment Maintenance Procedures Photos

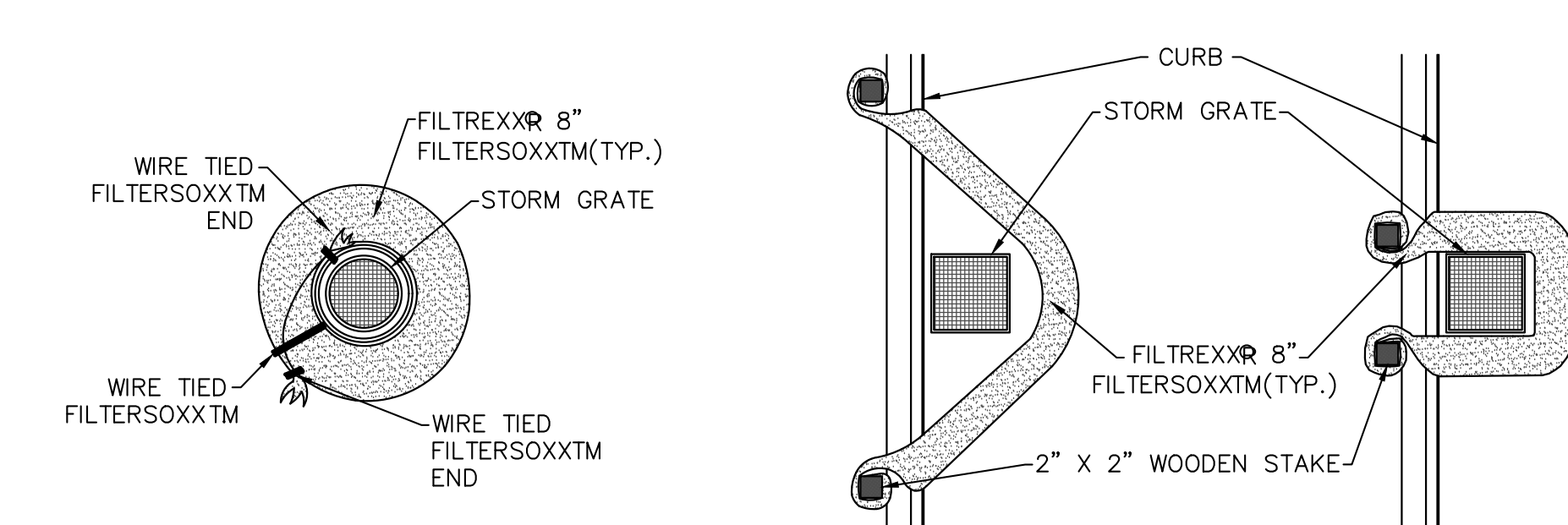


BMP GH-3
N.T.S.

GH-4 Designated Washdown Areas Photos



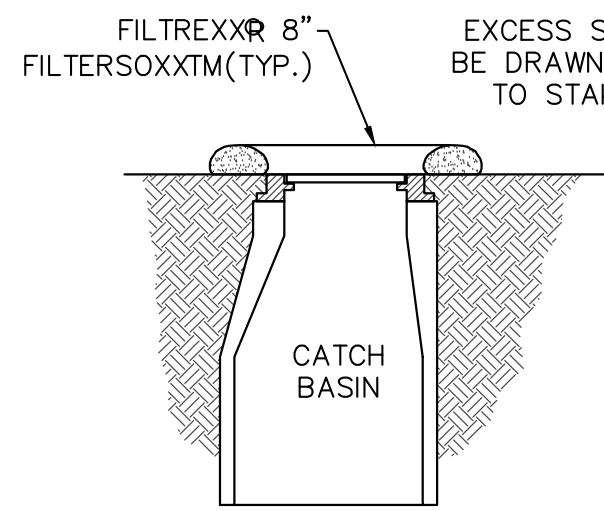
BMP GH-4
N.T.S.



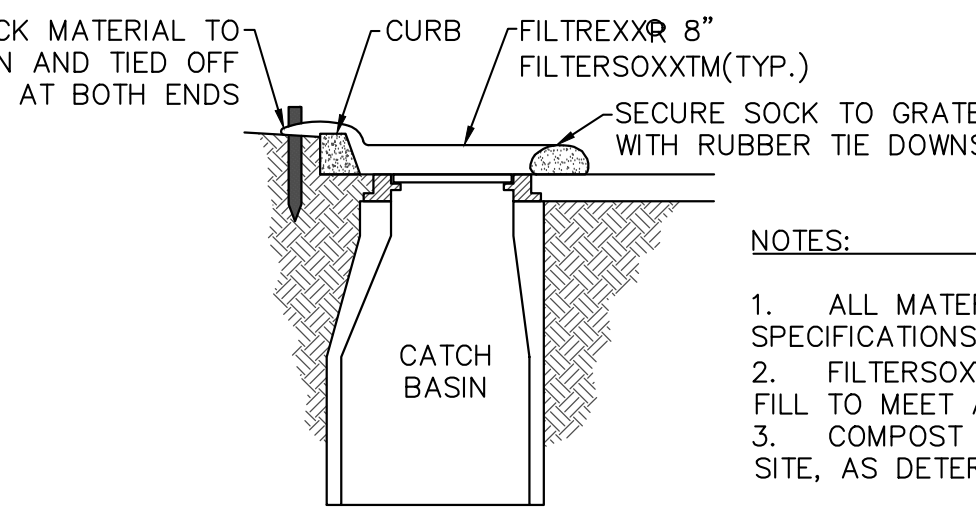
STANDARD PLAN VIEW

CURBSIDE STORM GRATE
OPTION "A" PLAN VIEW

CURBSIDE STORM GRATE
OPTION "B" PLAN VIEW



STANDARD SECTION



CURBSIDE STORM GRATE SECTION

BMP SPEC-1
N.T.S.

- NOTES:
- ALL MATERIAL TO MEET FILTERX® SPECIFICATIONS.
 - FILTERSOXXM COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



CLIENT CONTACT

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PROJECT NO. 050641-01-001
DATE OF ISSUE 10.10.19

REVISION NO. 1
DATE 12.10.19

PROJECT TEAM BOWMAN
DRAWN BY LGR

PERMIT SET

SHEET CONTENTS
GENERAL NOTES AND
DETAILS SHEET

SHEET NO.